
From: [REDACTED]
Sent: Monday, 8 July 2019 4:17 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: Potential Dropped Object Mitigation
Attachments: Copy of NE PDO Register - 180618 JDM.xlsx

Hello [REDACTED]

Inclusive to this mornings discussion relating to PDO's, here is what we do in fact know as contained within the register along with additional work brought forward as a result of the Dropped object incident on the 30/6/2019. Inclusive to the information already known we have initiated the following on NE:

- Raised a CTR for 2x Rope Access Vertech inspectors to spend 3 weeks offshore and submit to NOGA for approval.
- Reviewed the current Potential Dropped Object register, [update](#) and remove any we know have been repaired/removed.
- Prioritise the outstanding Very High risk PDO's from the register for the inspectors to inspect and agree repair strategy.
- Once Very High PDO's have been inspected move to the High Risk category and complete the same.
- Repair/removal scope will be engineered for any Very High or High Risk PDO's where achievable and approved by NOGA for execution offshore.
- Once all the High Risk PDO's have been checked inspectors to move the medium risk areas, initially complete a sample (50%) of these to understand if any have become High or Very High risk since the last inspection – if these show sign of severe corrosion we will continue to inspect all medium risk areas.
- At this point we will review findings and evaluate whether to continue on the Low Risk PDO's.
- The inspectors should be reminded although they are concentrating on specific PDO's they should be looking for other potential problem areas during their inspection work and add to the PDO register.

To answer the question do we understand the corrosion risk. Yes we do, however we do need to go back and confirm if there are changes.

Regards

[REDACTED] HSEQ and Compliance Manager

[REDACTED]

Connect with us on [LinkedIn](#). Looking for your next challenge? [Register](#) to work with us.



UPSTREAM PS HAS RELOCATED TO ST GEORGES TERRACE.
Please update your records with our new address.

Health & Safety | People | Client Focus | Honesty & Integrity | Innovation & Quality | Community & Environment

Please consider the environment before printing this e-mail notice

This email and any attachments are confidential and intended for the use of the addressee. If you have received this in error please notify the sender and delete it. You must not disclose its contents if you are not the intended recipient. Upstream Production Solutions Pty Ltd does not warrant that the communication is free of viruses or other defects and accepts no liability for loss or damage that may result from this communication. Personal views or opinions are solely those of the author and not of Upstream Production Solutions Pty Ltd. By communicating with anyone at Upstream Production Solutions Pty Ltd by email, you consent to the monitoring or interception of such email by Upstream Production Solutions Pty Ltd as permitted by law.

PDO will be covered under a different scope of work

Red text - SR to check

PDOs that can be eliminated without further planning.

Date Added for monitoring	Reported by	Vertech PDO ID	PDO ID	Location	Current Status	Vertech Potential Dropped Object Description	Mass (kg)	Height (m)	Likelihood	Consequence	Risk Level	Key Notes	Further Action	Area Code	U-bolts required	New support/ guide/ bracket required	Pipeline being supported
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-52	PDO-2017_001	Cargo Deck Level (AFT half)		Firewater lines U-Bolts and supports in poor condition with heavy corrosion peeling away	2	20 to water	D	5	Very High (20)	Pipe supports heavily corroded but could be structurally sound. U-bolt heavily corroded detached from support and could fall if nuts become loose. (Also corrosion flakes peeling away at various sizes on the supports are an issue as a PDO)	Remove a l corrosion to inspect to make a better assessment to replace or paint.	HD40ST	2	Y	Seawater/firewater piping (deluge)
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-53	PDO-2017_002	Cargo Deck Level (AFT half)		Firewater line U-bolt and support bracket in poor condition with heavy corrosion peeling away	2	20 to water	D	3	High (12)	Heavy corrosion though looks unl kely to fa l.	Remove a l corrosion to inspect to make a better assessment to replace or paint.	HD40	1	Potential	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-54	PDO-2017_003	Cargo Deck Level (AFT half)		U-bolt and support bracket in poor condition with heavy corrosion flaking away	0.8	18 to water	D	3	High (12)	Difficult to see photo. These PDO's are over the side so if and when they drop they will drop to the water (be aware of vessels aproaching close to the NE)	Inspect again. Remove corrosion to inspect to make a better assessment to replace or paint	See Vertech PDO report	2	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-55	PDO-2017_004	Cargo Deck Level (AFT half)		U-Bolt corroded and detached support bracket in poor condition with corrosion	3	18 to water	D	5	Very High (20)	U-bolt has already fallen bracket is in poor condition and only has one point of contact - though it does not experience any force now that the U-bolt has fallen off.(Also over the side works drop to water)	N/A	HD40PT	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-56	PDO-2017_005	Cargo Deck Level (AFT half)		U-Bolt corroded and detached support bracket in poor condition with corrosion	3	18 to water	D	5	Very High (20)	U-bolt has already fallen bracket is in poor condition and only has one point of contact.(Also over the side works drop to water)	N/A	HD40PT	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-57	PDO-2017_006	Cargo Deck Level (AFT half)		Kick plate staircase mesh support corrosion scale sections flaking away up to 180mm	0.8	4	C	1	Low (3)	Corrosion flakes could fall.. Chunk of metal is highly unlikely.	N/A	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-58	PDO-2017_007	Cargo Deck Level (AFT half)		Corrosion scale on flange of beam structure up to 350mm	0.8	3.5	C	1	Low (3)	Corrosion on flange looks like it is only flakes not likely for a chunk of metal to fall.	Could be re-inspected to make sure.(scrap all corrosion away remove from height)	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-59	PDO-2017_008	Cargo Deck Level (AFT half)		Bracket support corroded in poor condition	3	18 to water	C	5	High (15)	Difficult to determine. Bracket doesn't look like it is at risk of falling.	Inspect again. Remove corrosion to inspect to make a better assessment to replace or paint	See Vertech PDO report	2	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-60	PDO-2017_009	Cargo Deck Level (AFT half)		U-Bolt and pipe support in poor condition with corrosion scale up to 300mm	1	20 to water	C	5	High (15)	Pipe support and U-bolt are quite corroded though it looks unlikely to fail?	Remove a l corrosion to inspect to make a better assessment to replace or paint.	HD30PT	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-61	PDO-2017_010	Cargo Deck Level (AFT half)		U-bolt detached and corroded away	1	20 to water	D	5	Very High (20)	U-bolt has already fallen bracket is in poor condition and only has one point of contact - though it does not experience any force now that the U-bolt has fallen off.	N/A	HD30PT	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-62	PDO-2017_011	Cargo Deck Level (AFT half)		U-bolt and pipe support in poor condition with corrosion scale	1	20 to water	D	5	Very High (20)	Difficult to determine joint looks heavi ly corroded	Inspect again. Remove corrosion to inspect to make a better assessment to replace or paint	HD30PT	1	Y	Open drain hazardous
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-63	PDO-2017_012	Cargo Deck Level (AFT half)		Pipe support in poor condition with corrosion scale up to 300mm	2	2.5	D	2	Medium (8)	Support is heavily corroded but there is still some thickness left.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-64	PDO-2017_013	Cargo Deck Level (AFT half)		Cable tray support bracket in poor condition and corroding away at the joins	4	20 to water	D	5	Very High (20)	Braket joint to main pipe support is badly corroded. Could fall if that is the only point of contact.	Will require action.	HD30PT	0	Y	Cable tray - no detail in model
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-65	PDO-2017_014	Cargo Deck Level (AFT half)		Pipe support in poor condition with corrosion scale and pipe brace detached and corroding away	1	20 to water	D	5	Very High (20)	Pipe support in poor condition and already partly detached.	Will require action.	HD20PT	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-66	PDO-2017_015	Cargo Deck Level (AFT half)		U-bolt and pipe support in poor condition and corroding away	1	20 to water	C	5	High (15)	U-bolt and pipe support joint are in bad condition. Could fall if joints give. (Difficult to see)	Inspect joint to main support.Remove corrosion to inspect to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-67	PDO-2017_016	Cargo Deck Level (AFT half)		Cable and instrument lines support brackets in poor condition and corroding through	Up to 50kg	2.5	D	5	Very High (20)	Braket joints are in very poor condition.	Will require action.	HD30PT	1	Y	Cannot determine
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-68	PDO-2017_017	Cargo Deck Level (AFT half)		Cable and instrument lines support brackets in poor condition and corroding through	Up to 50kg	2.5	C	5	High (15)	Lines and bracket are covered in rust though it looks unlikely for anything to fall.	Will require action.	HD30	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-69	PDO-2017_018	Cargo Deck Level (AFT half)		Cable tray support brackets in poor condition detaching and corroding away	3	1.8	C	2	Medium (6)	Brakets are starting to detach so this will be a PDO at some point.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-70	PDO-2017_019	Cargo Deck Level (AFT half)		Pipe support bracket attached to blast wall in poor condition with corrosion scale up to 300mm	2	2.8	D	2	Medium (8)	Braket is in bad condition and will need to be replace. Though it looks as it will stay intact for some time.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-71	PDO-2017_020	Cargo Deck Level (AFT half)		Pipe support bracket attached to blast wall in poor condition with corrosion scale up to 300mm	2	2.8	D	2	Medium (8)	Braket is in bad condition and will need to be replace. Though it looks as it will stay intact for some time.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-72	PDO-2017_021	Cargo Deck Level (AFT half)		800mm pipe support in poor condition with various corrosion	10 to 150kg	2.5	D	5	Very High (20)	Pipe support is heavily corroded though the welded joint still looks sound.	Should inspect joint. To inspect install Chain black & sling to support the pipe then remove all corrosion to make a better assessment to replace or paint	HD30ST	0	Y	Seawater line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-73	PDO-2017_022	Cargo Deck Level (AFT half)		Pipe bracket and support detached corroded off the base attachment	7	2.8	D	5	Very High (20)	Bracket and support has already partially detached. This will be covered under the main pipe rack scope of work.	Will require action.	HD30ST	0	Y	Cannot determine
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-74	PDO-2017_023	Cargo Deck Level (AFT half)		Pipe bracket and support detached corroded off the base attachment	25	2.8	D	5	Very High (20)	Bracket and support has already partially detached. This will be covered under the main pipe rack scope of work.	Will require action.	HD30ST	0	Y	Cannot determine. Looks like a 1-2 inch line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-75	PDO-2017_024	Cargo Deck Level (AFT half)		U-bolt corroded off not in place and support bracket is in poor condition with heavy corrosion	1	2.5	D	2	Medium (8)	U-bolt already corroded off and support is in poor condition.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-76	PDO-2017_025	Cargo Deck Level (AFT half)		Aproxx 20 metre long various corrosion scale peeling up and flaking away on top of flange of structure beam	1	3	C	1	Low (3)	Corrosion peeling along the length of the flange unlikely for a piece to fall off.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	0	

Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-77	PDO-2017_026	Cargo Deck Level (AFT half)	Removed. Further work required.	Pipe support with heavy corrosion falling away. We removed all this corrosion and support bracket from height	10	3	0	0	#N/A	PDO has already been removed.	We removed all this corrosion and support bracket from height. (still required fabricat & install new support)	HD30PT	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-78	PDO-2017_027	Cargo Deck Level (AFT half)		Cable tray and small pipe support bracket is in poor condition and corrodng away	2	2.5	C	1	Low (3)	Corrosion is present though risk of falling looks negligible.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-79	PDO-2017_028	Cargo Deck Level (AFT half)		U-bolts in poor condition corroding away	1	20 to water	D	5	Very High (20)	U-bolts are in poor condition and are already starting to corode away.	Will require action.	HD40ST	2	Y	Drain line - check model for size
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-80	PDO-2017_029	Cargo Deck Level (AFT half)		45 degree pipe support bracket in poor condition with heavy corrosion flaking away	1	20 to water	C	5	High (15)	Unlikely to fall even though detached from the main pipe support. Attached with two U-bolts - difficult to see the condition of these.	Will require action.	HD40	2	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-81	PDO-2017_030	Cargo Deck Level (AFT half)		U-Bolt detached and corroding away (Another 15 x U-bolts heading AFT from this location in similar condition)	1	20 to water	D	5	Very High (20)	U-bolt in bad condition - looks like could fall soon.	Will require action.	HD30ST	16	Y	Diesel line on top. (red line in model) Drain line is white. (blue line in model) Potentially air/nitrogen/fresh water (service lines)
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-82	PDO-2017_031	Cargo Deck Level (AFT half)		Pipe support bracket in poor condition with heavy corrosion	7	4	D	5	Very High (20)	Bracket is heavy rusted but looks structurally sound. Not too much metal left on U-bolts though.	Will require action.	HD20ST	3	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-83	PDO-2017_032	Cargo Deck Level (AFT half)		U-Bolt and pipe support in poor condition corroding away	2	20 to water	D	5	Very High (20)	Bracket and U-bolt is heavily corroding.	Will require action.	HD20ST	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-84	PDO-2017_033	Cargo Deck Level (AFT half)		300mm x 300mm pipe support in poor condition with corrosion scale flaking away up to 200mm	2	4	D	3	High (12)	Support looks like it is in very bad condition. Need to inspect joint.	Should inspect joint.	HD20	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-85	PDO-2017_034	Cargo Deck Level (AFT half)		Pipe support in poor condition with corrosion scale flaking away up to 250mm	1	5	D	2	Medium (8)	Support in poor condition though does not look like it will detach from main support frame.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-86	PDO-2017_035	Cargo Deck Level (AFT half)		Various corrosion scale up to 300mm flaking away on the under side of deck beam structures	0.8	3.5	B	1	Low (2)	Corrosion present on beam structures though it does not look like anything will detach.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-87	PDO-2017_036	Cargo Deck Level (AFT half)		Various corrosion scale flaking away up to 250mm on the under side of deck	0.8	5	C	1	Low (3)	Flaking on joints but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-88	PDO-2017_037	Cargo Deck Level (AFT half)		Pipe support and U-Bolt in poor condition with heavy corrosion	5	4.5	D	5	Very High (20)	Bracket and U-bolt in very poor condition. Likely to become a hazard soon.	Will require action.	HD10ST	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-89	PDO-2017_038	Cargo Deck Level (AFT half)		Handle bar above ladder in poor condition at the joins corroding away	1	3	D	1	Medium (4)	Likely to fall if it experiences load joints are in poor condition.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-90	PDO-2017_039	Cargo Deck Level (AFT half)		Down pipe in poor condition with various corrosion scale flaking away up to 200mm	0.6	2.8	E	1	Medium (5)	Pipe is in very poor condition and has lost 50% of the circumference at some points.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-91	PDO-2017_040	Cargo Deck Level (AFT half)		Down pipe in poor condition with various corrosion scale flaking away up to 200mm	0.6	2.8	E	1	Medium (5)	Pipe is in very poor condition and has lost more than 50% of the circumference at the elbow. Pipe will fall as more corrosion in this area occurs.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (AFT half) - PDO-92	PDO-2017_041	Cargo Deck Level (AFT half)		Small line pipe support bracket in poor condition starting to detach	0.8	2.8	D	1	Medium (4)	Bracket in very poor condition already starting to detach.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-01	PDO-2017_042	Cargo Deck Level (FWD half)		Stainless line with several poor condition U-bolts corroding and detaching	1	4	D	1	Medium (4)	Looks like previously a bracket has fallen off and U-bolts on other lines have already failed.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-02	PDO-2017_043	Cargo Deck Level (FWD half)		Support brackets with corrosion flakes peeling away up to 300mm long	0.8	2.8	B	1	Low (2)	Structure of beam looks sound only the paint is flaking.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-03	PDO-2017_044	Cargo Deck Level (FWD half)	Eliminated	Aprox 200mm x 200mm corrosion scale falling away and resting on flange of beam	1	5	0	0	#N/A	PDO and large scales have been removed. Monitor as there looks to be more to corrode away soon around the same area.	Scrap all other corrosion away remove from height.	HD70	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-04	PDO-2017_045	Cargo Deck Level (FWD half)		U-bolt and bracket corroding and detaching	1	4	D	3	High (12)	U-bolt has already detached from the structural beam.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-05	PDO-2017_046	Cargo Deck Level (FWD half)		U-bolt and bracket corroding and detaching	1	4	D	3	High (12)	U-bolt is badly corroded though has multiple points of contact. Not likely to fall assuming no vibrations.	Check for significant vibrations. Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-06	PDO-2017_047	Cargo Deck Level (FWD half)		U-bolt and bracket corroding and detaching	1	4	D	1	Medium (4)	Bracket is starting to detach from structural beam.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-07	PDO-2017_048	Cargo Deck Level (FWD half)		All steel members with various corrosion scale peeling away up to 300mm long	1	2.5	D	2	Medium (8)	Steel members above look fine the corner point of the structural beams on the left is badly corroded.	Joint on the left should be inspected	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-08	PDO-2017_049	Cargo Deck Level (FWD half)		U-bolt and bracket in poor condition with corrosion	0.5	5	C	3	Medium (9)	Difficult to determine from photo. Could be 'D'.	Inspect area again - photo is unclear. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-09	PDO-2017_050	Cargo Deck Level (FWD half)		Cable tray bracket corroding away from horizontal beam3	2	4	C	3	Medium (9)	Bracket is starting to detach from structural beam.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-10	PDO-2017_051	Cargo Deck Level (FWD half)		U-bolt and bracket corroding and detaching	1	4	D	1	Medium (4)	One side of U-bolt has already detached.	Will require action.	See Vertech PDO report	1	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-11	PDO-2017_052	Cargo Deck Level (FWD half)		Various corrosion scale flaking away on top and sides of beams up to 300mm long	0.8	4	C	2	Medium (6)	Lots of flaking but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	

Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-12	PDO-2017_053	Cargo Deck Level (FWD half)		Pipe bracket supports with corrosion and in poor condition at the joins	10	4	C	5	High (15)	Joints are poor - though it does not seem likely that the entire beam will fall.	Will require action.	HD70	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-13	PDO-2017_054	Cargo Deck Level (FWD half)		Pipe bracket supports with corrosion and in poor condition at the joins	10	4	C	5	High (15)	Joints are poor - though it does not seem likely that the entire beam will fall.	Will require action.	HD70	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-14	PDO-2017_055	Cargo Deck Level (FWD half)		Various U-bolts and bracket corroding and detaching	2	4.5	C	3	Medium (9)	U-bolts look like they are still in place but report says they are starting to detach.	Will require action.	HD70	3	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-15	PDO-2017_056	Cargo Deck Level (FWD half)		U-bolt and bracket corroding and detaching	1	5	D	2	Medium (8)	Bracket joint and U-bolt looks very poor.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-16	PDO-2017_057	Cargo Deck Level (FWD half)		Support brackets in poor condition at the joins	10	2.2	C	5	High (15)	Joints look poor though unlikely to fall assuming there is another vertical support not too far from this. There is also no weight above the joint.	Check for surrounding supports. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	HD60	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-17	PDO-2017_058	Cargo Deck Level (FWD half)		Scale corrosion flakes under side of beams in corners up to 200mm	1	4	B	1	Low (2)	Flaking on joint but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-18	PDO-2017_059	Cargo Deck Level (FWD half)		Pipe support in poor condition with corrosion	2	3.5	C	2	Medium (6)	Difficult to determine from photo. Pipe support looks like it is in poor condition.	Inspect area again - photo is unclear. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-19	PDO-2017_060	Cargo Deck Level (FWD half)		U-bolt corroding in poor condition	2	20 to water	D	5	Very High (20)	U-bolt is in bad condition - though unlikely to fail? assuming no vibrations.	Check for vibrations. Will require action.	HD60ST	1	N	Drain line
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-20	PDO-2017_061	Cargo Deck Level (FWD half)		U-bolt detached and support bracket in poor condition with corrosion	3	20 to water	D	5	Very High (20)	Bracket is in poor condition but is not likely to fall as it does not experience any force (U-bolt has fallen and there is no weight above)	Will require action.	HD60ST	1	Y	Drain line
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-21	PDO-2017_062	Cargo Deck Level (FWD half)		U-bolt corroding in poor condition	1	2.5	C	1	Low (3)	Can't tell what this photo is about U bolt on firewater line has poor corrosion will require to remove corrosion to inspect further.	Will require action.	See Vertech PDO report	1	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-22	PDO-2017_063	Cargo Deck Level (FWD half)		On top of beams and at the joins corrosion scale flaking away up to 300mm	0.8	2.2	D	1	Medium (4)	Flaking on joint but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-23	PDO-2017_064	Cargo Deck Level (FWD half)		Pipe support brackets with corrosion scale up to 200mm and in poor condition at the joins	0.7	2.2	C	1	Low (3)	Bracket looks structurally sound. Does not look like it experiences vibrations.	Might need to check joint on bottom right.	See vertech PDO report	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-24	PDO-2017_065	Cargo Deck Level (FWD half)		Aprox 4metre long by 60mm corrosion scale peeling away resting on top of flange of platform beam	0.8	4.5	B	1	Low (2)	Corrosion flakes could fall.. Chunk of metal is highly unlikely.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-25	PDO-2017_066	Cargo Deck Level (FWD half)		Aprox 4metre long by 100mm corrosion scale peeling away resting on top of flange of platform beam	0.8	5	B	1	Low (2)	Corrosion flakes could fall.. Chunk of metal is highly unlikely.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-26	PDO-2017_067	Cargo Deck Level (FWD half)		Pipe support and U-bolt in poor condition with corrosion scale	2	3.5	D	3	High (12)	Bracket and U-bolt look very poor.	Needs further inspection. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-27	PDO-2017_068	Cargo Deck Level (FWD half)		Small line tray support bracket in poor condition corroding away and detaching	7	20 to water	D	5	Very High (20)	Little material left at some points along the support bracket.	Will require action.	HD50ST	0	Y	Angle bar support for cable tray.
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-28	PDO-2017_069	Cargo Deck Level (FWD half)		Pipe support and U-bolt in poor condition with corrosion scale	2	3.5	C	2	Medium (6)	Looks like a lot of corrosion though joint to main support looks okay.	Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-29	PDO-2017_070	Cargo Deck Level (FWD half)		Pipe support and U-bolt in poor condition with corrosion scale	2	3.5	C	2	Medium (6)	Looks like a lot of corrosion though joint to main support looks okay. Slightly difficult to see.	Inspect area again - photo is unclear. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-30	PDO-2017_071	Cargo Deck Level (FWD half)		Pipe support and U-bolt in poor condition with corrosion scale	4	2	E	2	High (12)	Metal looks very thin U-bolt is in bad condition. Very likely if pipe experiences vibrations.	Will require action.	HD50	1	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-31	PDO-2017_072	Cargo Deck Level (FWD half)		400mm supports and a 3 metre long horizontal firewater supports in poor condition with heavy corrosion	5	3	D	5	Very High (20)	Pipe supports are heavily corroded but looks like it could still be structurally sound.	Needs further inspection. Will require action to inspect remove all corrosion to make a better assessment to replace or paint	HD50ST	0	Remove corrosion	Seawater/firewater piping (deluge)
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-32	PDO-2017_073	Cargo Deck Level (FWD half)		Steel frame around pump with various corrosion scale peeling away up to 300mm long	1	3	B	1	Low (2)	Supports have corrosion though structure looks sound.	Will require action to inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-33	PDO-2017_074	Cargo Deck Level (FWD half)		Firewater bracket and U-bolt in poor condition with corrosion scale up to 500mm long	1	2.5	C	2	Medium (6)	Supports have a lot of corrosion though structure looks like it could be okay.	Needs further inspection. To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-34	PDO-2017_075	Cargo Deck Level (FWD half)		Firewater support brackets and beams with various corrosion scale flaking away up to 300mm long	1	2.5	C	1	Low (3)	Bracket has relatively slight corrosion.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	N	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-35	PDO-2017_076	Cargo Deck Level (FWD half)		400mm long pipe support in poor condition with corrosion scale peeling away	1	2.5	C	1	Low (3)	U-bolts and bracket are in very poor condition though it has multiple points of contact. Unlikely assuming pipe does not experience vibration.	Will require action.	See Vertech PDO report	3	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-36	PDO-2017_077	Cargo Deck Level (FWD half)		U-bolt in poor condition detached and corroding away	2	20 to water	D	5	Very High (20)	U-bolt has already partially detached.	Will require action.	HD50ST	1	N	Cannot determine
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-37	PDO-2017_078	Cargo Deck Level (FWD half)		Pipe guides in poor condition corroding away	2	20 to water	D	5	Very High (20)	Joint is in very poor condition and there is nothing else holding it in place.	Will require action.	HD50ST	0	Y	Cannot determine
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-38	PDO-2017_079	Cargo Deck Level (FWD half)		U-bolt in poor condition detached and corroding away	2	20 to water	C	5	High (15)	U-bolt and bracket look badly corroded though could still be structurally okay. Difficult to see.	Inspect area again - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	HD50	1	Potential	

Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-39	PDO-2017_080	Cargo Deck Level (FWD half)		U-bolt detached and support in poor condition	2	20 to water	D	5	Very High (20)	U-bolt has already detached. Bracket badly corroded and has only 1 point of contact but is not experiencing any force.	Will require action.	HD50ST	1	Remove corrosion	Drain line
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-40	PDO-2017_081	Cargo Deck Level (FWD half)		U-bolt detached and support in poor condition with corrosion scale up to 300mm	2	20 to water	D	5	Very High (20)	U-bolt has already detached support looks like it is in poor condition.	Will require action.	HD50ST	1	Remove corrosion	Look in model. (2-3 inch)
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-41	PDO-2017_082	Cargo Deck Level (FWD half)		U-bolts and support beams in poor condition with corrosion scale peeling away up to 400mm	2	20 to water	C	5	High (15)	Lots of corrosion peel though structure looks sound. U-bolt would be the key issue.	Inspect U-bolt - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	HD50	1	Remove corrosion	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-42	PDO-2017_083	Cargo Deck Level (FWD half)		Pipe supports with various corrosion scale peeling away up to 350mm	0.8	2.5	C	2	Medium (6)	Support is in very bad condition but structure could be okay.	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-43	PDO-2017_084	Cargo Deck Level (FWD half)		U-bolt detached and pipe support with various corrosion flaking away	1	20 to water	C	5	High (15)	U-bolt has already detached but support looks okay.	Will require action.	HD40	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-44	PDO-2017_085	Cargo Deck Level (FWD half)		U-bolt corroded and detached	8	4.5	D	5	Very High (20)	U-bolt has already partially detached.	Will require action.	HD40ST	1	N	Potentially drain line
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-45	PDO-2017_086	Cargo Deck Level (FWD half)		Speaker bracket detached corroded off its attachment	2	5	D	3	High (12)	Bracket has already detached.	Will require action.	HD40	0	Y	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-46	PDO-2017_087	Cargo Deck Level (FWD half)		Kick plate above staircase with corrosion approx. 800mm long by 200mm with scale flaking away	5	4	B	5	High (12)	Plate only has flakey corrosion.	Will require action.	See Vertech PDO report	0	0	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-47	PDO-2017_088	Cargo Deck Level (FWD half)		Cable tray light bracket corroded and detached from its support	5	3.5	D	5	Very High (20)	Bracket has already detached at one point other joint is not in good condition. PDO to be covered under stairways scope of work.	Will require action.	HD40ST	0	Y	Vertical beam near stairs. Could look through stair drawings
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-48	PDO-2017_089	Cargo Deck Level (FWD half)		U-bolt in poor condition	2	3.5	C	2	Medium (6)	U-bolt is in poor condition though it is unlikely to fall assuming no significant vibration.	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-49	PDO-2017_090	Cargo Deck Level (FWD half)		U-bolt and support poor condition with corrosion	1	3	C	1	Low (3)	U-bolt is in poor condition though it is unlikely to fall assuming no significant vibration.	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-50	PDO-2017_091	Cargo Deck Level (FWD half)		U-bolt corroded away and detached	1	3	C	1	Low (3)	U-bolt has already detached support is still okay	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Cargo Deck Level (FWD half) - PDO-51	PDO-2017_092	Cargo Deck Level (FWD half)		U-bolt corroded away and detached	1	3	C	1	Low (3)	U-bolt has already detached support is still okay	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-100	PDO-2017_093	Lower Process (AFT half)		U-Bolt and pipe support bracket in poor condition with corrosion scale peeling away up to 200mm	0.8	8	C	2	Medium (6)	Significant surface corrosion but structure looks sound.	Check thickness of corrosion.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-101	PDO-2017_094	Lower Process (AFT half)		U-Bolt and pipe support bracket in poor condition with corrosion scale peeling away up to 300mm	0.8	8	D	3	High (12)	Significant surface corrosion but structure looks sound.	Will require action.	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-102	PDO-2017_095	Lower Process (AFT half)		Beacon light attached to poor condition corroding handrails	15	5	C	5	High (15)	Hand rail is in poor condition and has completely deteriorated at one point.	Will require action.	PX02	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-103	PDO-2017_096	Lower Process (AFT half)		150mm x 150mm RHS 500mm long pipe support has corroded and detached at the top weld and fallen onto pipe	12	Approx. 20 to water	E	5	Very High (25)	Support has already partially detached and is now only connected at its bottom weld.	Will require action.	PX04 (ST)	0	Y	Vent air line (VA-5009)
Jun-17	Vertech	Lower Process (AFT half) - PDO-104	PDO-2017_097	Lower Process (AFT half)		Pipe support with corrosion scale build peeling away up to 200mm	0.8	4	C	1	Low (3)	Corrosion present though structure still looks sound.	To inspect remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-105	PDO-2017_098	Lower Process (AFT half)		150mm x 150mm RHS 500mm long pipe support in poor condition with corrosion at the joints	12	Approx. 20 to water	C	5	High (15)	Poor condition though structure still looks sound. Difficult to judge from photo - need to check joints.	Inspect area again - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-106	PDO-2017_099	Lower Process (AFT half)		150mm x 150mm RHS 500mm long pipe support in poor condition with corrosion at the joints	12	Approx. 20 to water	C	5	High (15)	Poor condition though structure still looks sound. Difficult to judge from photo - need to check joints.	Inspect area again - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-56	PDO-2017_100	Lower Process (AFT half)		300mm x 200mm Corrosion blister underside of upper process deck	1	8	C	3	Medium (9)	Corrosion on underside of deck. Does not look like there is potential for a chunk to fall assuming the corrosion is just on the surface.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-57	PDO-2017_101	Lower Process (AFT half)		Pipe support bracket in poor condition with 300mm long corrosion scale	0.8	7	C	1	Low (3)	Fairly corroded though bracket joint seems to be sound.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	Potential	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-58	PDO-2017_102	Lower Process (AFT half)		Pipe support bracket in poor condition at the join and detaching at 1 end (other end that is attached is in sound condition for now)	15	8	B	4	Medium (8)	Support bracket has only one point of contact (in poor condition) as the other has already detached.	Check other joint condition. Other end of join is in sound condition	PX10	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-59	PDO-2017_103	Lower Process (AFT half)		Structure beams around weld joins and on top has various corrosion up to 300mm peeling away	0.8	7	B	3	Medium (6)	Various areas peeling from corrosion however beams look structurally sound. Might want to check the small pipe support on the bottom left.	Might want to check the small pipe support on the bottom left.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-60	PDO-2017_104	Lower Process (AFT half)		U-Bolts in poor condition	0.7	7	C	2	Medium (6)	Pipe support and U-bolts are very rusted however it seems unlikely that there is potential for a dropped object as there are many points of contact and it seems like there is significant material still left.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	4	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-61	PDO-2017_105	Lower Process (AFT half)		Pipe support and U-bolt in poor condition with corrosion scale up to 100mm flaking away	0.7	6.5	D	2	Medium (8)	Pipe support is in very poor condition. U-bolt seems to have already detached? Joints have significant corrosion.	Will require action.	See Vertech PDO report	2	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-62	PDO-2017_106	Lower Process (AFT half)		Pipe support in poor condition and U-bolt corroded and detached	1	6.5	C	3	Medium (9)	U-bolt and pipe support are in bad condition. U-bolt has already partly detached so there is only one point of contact now at the joint to the main support frame. (Cannot see)	Should inspect joint.	See Vertech PDO report	2	Potential	

Jun-17	Vertech	Lower Process (AFT half) - PDO-63	PDO-2017_107	Lower Process (AFT half)		Pipe guides in poor condition with corrosion	0.6	5	C	1	Low (3)	Pipe guide has the potential to fall it is a very small piece which already looks as if it is coming loose.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-64	PDO-2017_108	Lower Process (AFT half)	Eliminated	Spool sitting on flange of beam	5.6	8	0	0	#N/A	PDO has already been removed.	N/A	See Vertech PDO report	0	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-65	PDO-2017_109	Lower Process (AFT half)		Pipe support and U-bolts with corrosion in poor condition	1	7	C	3	Medium (9)	U-bolts and pipe support have a lot of surface corrosion though structure still looks sound.	Will require action.	See Vertech PDO report	3	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-66	PDO-2017_110	Lower Process (AFT half)		Underside of structure beam top flange with corrosion scale flaking away up to 1200mm long	0.8	8.5	C	3	Medium (9)	Flange looks like it is not likely to fall however will need to inspect along welded joint - if this is poor it is possible for a chunk to fall.	Inspect along welded joint.	PX08	0	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-67	PDO-2017_111	Lower Process (AFT half)		Structure beams and supports with corrosion scale flaking away up to 200mm	0.7	6	D	1	Medium (4)	Beams have significant corrosion through still look structurally sound. There does look like there is the potential for a chunk of corrosion to break away and fall - can't tell how big beam is.	Beam should be inspected. By removing corrosion to closer examine	See Vertech PDO report	0	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-68	PDO-2017_112	Lower Process (AFT half)		Pipe support and U-bolts in poor condition with corrosion scale up to 250mm peeling away	0.8	6	D	2	Medium (8)	Pipe support is badly corroded but looks structurally sound. Might want to check the end part - how far through the metal has this corroded or is it just flakey?	Should inspect?	See Vertech PDO report	2	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-69	PDO-2017_113	Lower Process (AFT half)		Cable tray and platform beam support with scale blisters up to 200mm	0.8	5	B	1	Low (2)	Some corrosion on beam though unlikely to create potential for a dropped object.	Scrap all corrosion away remove from height.	PX09	0	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-70	PDO-2017_114	Lower Process (AFT half)		U-bolt and valve handle in poor condition	0.8	5	D	1	Medium (4)	Entire U-bolt and valve handle in very poor condition. Looks like it has gone deep.	Will require action.	PX09	1	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-71	PDO-2017_115	Lower Process (AFT half)		Structure beams with corrosion scale near joins at 300mm x 150mm	1	5	B	2	Low (4)	Lots of flaking but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-72	PDO-2017_116	Lower Process (AFT half)		Structure beams with corrosion scale near joins at 300mm x 150mm	1	5	C	2	Medium (6)	Lots of local corrosion but structure looks sound. U-bolt would of main concern in this photo though it does not look like it is detaching.	Will require action.	See Vertech PDO report	1	0	
Jun-17	Vertech	Lower Process (AFT half) - PDO-73	PDO-2017_117	Lower Process (AFT half)		Beam supports for cable trays and pipes in poor condition with various corrosion scale up to 300mm	1	4	B	1	Low (2)	Moderate corrosion along beams though structure still looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-74	PDO-2017_118	Lower Process (AFT half)		Gas detector support brackets in poor condition at the joins	25	4	D	5	Very High (20)	Joins look poor - further inspection required to determine likelihood. Need to check supports at the other end.	Should be further inspected.	PX09 (PT to mid)	0	Y	Cannot determine
Jun-17	Vertech	Lower Process (AFT half) - PDO-75	PDO-2017_119	Lower Process (AFT half)	Removed. Further work required.	Handrail bottom support in poor condition with corrosion holes and starting to detach.	12	5	0	0	#N/A	Bottom handrail section has already been removed.	Will require new section to be frabbed & installed	PX09	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-76	PDO-2017_120	Lower Process (AFT half)	Removed. Further work required.	Top handrail section between 2 structure beams in poor condition corrodng away	1.5	5	0	0	#N/A	Handrail has already been removed.	Will require new section to be fabricated & installed to suit	PX09	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-77	PDO-2017_121	Lower Process (AFT half)	Removed. Further work required.	Pipe support and bracket in poor condition at the joins	15	5	0	0	#N/A	PDO has already been removed.	Will require new support to be fabricated & installed to suit	PX09	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-78	PDO-2017_122	Lower Process (AFT half)		RHS steel member in poor condition with corrosion scale flaking away up to 400mm	1	3	B	1	Low (2)	Lots of flaking but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-79	PDO-2017_123	Lower Process (AFT half)		Cladding section with 2 of its fixings remaining at the top	0.6	8	D	2	Medium (8)	Rivets are the only point of contact left	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-80	PDO-2017_124	Lower Process (AFT half)		Cladding section with 2 of its fixings remaining at the top	0.6	8	D	2	Medium (8)	Rivets are the only point of contact left	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-81	PDO-2017_125	Lower Process (AFT half)	Supported with scaffold	Pipe support in poor condition with various corrosion around the joins	15	3.5	D	5	Very High (20)	Corrosion is significant on pipe support with little material remaining at the joint. PDO to be covered under the central walkway scope of work.	Will require action.	PX04 Orchid road	0	Y	Cannot determine. Looks like major support.
Jun-17	Vertech	Lower Process (AFT half) - PDO-82	PDO-2017_126	Lower Process (AFT half)		Structure beams in corner joins with corrosion blisters building up and flaking away	0.5	4	B	1	Low (2)	Lots of flaking but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-83	PDO-2017_127	Lower Process (AFT half)		U-bolts and pipe support brackets in poor condition with various corrosion scale	0.5	4	C	2	Medium (6)	Lots of local corrosion but structure looks sound. Does not seem like there is potential for a dropped object as there are many points of contact and material still looks thick. (should inspect closer)	Inspect area again - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	PX04	7	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-84	PDO-2017_128	Lower Process (AFT half)		Ducting support beams with corrosion blisters and scale at the joins up to 250mm	0.6	4.5	C	2	Medium (6)	Lots of flaking at joint but structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-85	PDO-2017_129	Lower Process (AFT half)		U-bolt detached corrodng away and pipe support in poor condition	30	7	D	5	Very High (20)	Potential for the detached U-bolt to fall but the pipe support still looks structurally sound.	Will require action.	PX04 (ST to mid)	1	Y	Potential pipe support 88 or 87 (look in batch files if more info)
Jun-17	Vertech	Lower Process (AFT half) - PDO-86	PDO-2017_130	Lower Process (AFT half)		Beam structure around platform with various scale corrosion up to 300mm	1	4	B	1	Low (2)	Local corrosion but unlikely for PDO.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-87	PDO-2017_131	Lower Process (AFT half)		Bracket supporting multiple fixtures in poor condition with various scale and corrosion	10	4	D	5	Very High (20)	Conservative assessment. Looks to be many points of contact however the bracket is supporting many 'items' and is a relatively thin piece of metal. Should check extent of corrosion.	Inspect area - photo is unclear To inspect remove all corrosion to make a better assessment to replace or paint	PX04	0	Y	Near the generator turbines
Jun-17	Vertech	Lower Process (AFT half) - PDO-88	PDO-2017_132	Lower Process (AFT half)		Yellow and white beams with various corrosion peeling and flaking away up to 250mm	0.8	4	C	2	Medium (6)	Some corrosion on beam though unlikely to create potential for a dropped object. However small pipe support could be of concern.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-89	PDO-2017_133	Lower Process (AFT half)		Majority of handrail sections in poor condition with corrosion at the joins	?	8	C	5	High (15)	Joins of handrail are in poor condition however this looks unlikely to fall as there are multiple points of contact.	Will require action.	See Vertech PDO report	0	Hand rails	

Jun-17	Vertech	Lower Process (AFT half) - PDO-90	PDO-2017_134	Lower Process (AFT half)		Handrail in poor condition corroding away and starting to detach from structure beam	4	5	D	5	Very High (20)	Handrail is in very poor condition. Circumference is starting to eat away at some points.	Will require action.	PX04 (ST to mid)	0	Y	Cannot determine. (PX04 is the generator turbine area.
Jun-17	Vertech	Lower Process (AFT half) - PDO-91	PDO-2017_135	Lower Process (AFT half)		Pipe support in poor condition with corrosion scale and build up on all sections and joints	20	7	D	5	Very High (20)	Pipe support has lots of local corrosion however the structure still looks sound.	Should inspect. To inspect remove all corrosion to make a better assessment to replace or paint	PX04 (ST to mid)	0	Potential	Vent air line - check Vertech picture for more detail.
Jun-17	Vertech	Lower Process (AFT half) - PDO-92	PDO-2017_136	Lower Process (AFT half)		Support bracket in poor condition with corrosion scale build up holding various fixtures	?	4	C	5	High (15)	Some corrosion at joints but bracket still looks structurally sound.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (AFT half) - PDO-93	PDO-2017_137	Lower Process (AFT half)		U-Bolt in poor condition and detached from pipe support	1	7	C	3	Medium (9)	U-bolt has partially detached and could possibly fall if other side is also in bad condition (cannot see). Pipe support is rusted but welded joint still looks good.	Inspect area - photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	PX03	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-94	PDO-2017_138	Lower Process (AFT half)		Corrosion scale flaking away at 300mm x 150mm in the corners of the joins of structure beams	0.8	4	B	1	Low (2)	Lots of flaking though beam structure looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (AFT half) - PDO-95	PDO-2017_139	Lower Process (AFT half)		Handle bars with corrosion and in poor condition	2	2	D	1	Medium (4)	Entire handle is in poor condition. Joints are deteriorating.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-96	PDO-2017_140	Lower Process (AFT half)		Handle bars with corrosion and in poor condition	2	2	D	1	Medium (4)	Entire handle is in poor condition. Joints are deteriorating.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-97	PDO-2017_141	Lower Process (AFT half)		U-Bolt and pipe support detaching and corroding away	1	4	D	1	Medium (4)	Image is not very clear but the U-bolt and pipe support already seem to be detaching.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-98	PDO-2017_142	Lower Process (AFT half)		Horizontal pipe support bracket in poor condition with corrosion scale peeling away up to 300mm	0.8	3	C	1	Low (3)	Lots of corrosion peel though structure looks sound.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Y	
Jun-17	Vertech	Lower Process (AFT half) - PDO-99	PDO-2017_143	Lower Process (AFT half)		U-Bolt and pipe support detaching and corroding	1	5	D	2	Medium (8)	U-bolt has already started detaching. Pipe support has a lot of surface corrosion but looks structurally sound.	Will require action.	See Vertech PDO report	1	Y	
Jun-17	Vertech	Lower Process (FWD half) - PDO-01	PDO-2017_144	Lower Process (FWD half)		Approx. 600mm x 300mm coatings peeling away	0.5	4	D	1	Medium (4)	Chunk of coating has already started to detach has little contact left.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-02	PDO-2017_145	Lower Process (FWD half)		120mm grid mesh sections corroding away	0.3	6	D	1	Medium (4)	Section of mesh has already fallen away small sections surrounding look like they are likely to follow.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-03	PDO-2017_146	Lower Process (FWD half)		150mm long Firewater support bracket corroding away	0.5	6	D	1	Medium (4)	Potential for chunks of corrosion to break away from the support bracket. It looks unlikely for the entire support to fall.	Will require action.	See Vertech PDO report	0	Y	
Jun-17	Vertech	Lower Process (FWD half) - PDO-04	PDO-2017_147	Lower Process (FWD half)		Firewater support brackets corrosion scale peeling away 1 @ 200mm long 1 @ 300mm long	0.4	5	C	3	Medium (9)	Significant surface corrosion on support brackets and U-bolts. Need to inspect joints to determine potential for dropped object.	Inspect joints. Photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	2-?	2-?	
Jun-17	Vertech	Lower Process (FWD half) - PDO-05	PDO-2017_148	Lower Process (FWD half)		200mm x 200mm scale resting on flange of beam	1	3.5	D	3	High (12)	Piece of corrosion has already detached and is resting on flange of beam.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-06	PDO-2017_149	Lower Process (FWD half)		200mm x 200mm corrosion scale peeling away	1	3.5	D	3	High (12)	Looks like a piece of corrosion is likely going to detach. (Also this has already happened on a similar item)	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-07	PDO-2017_150	Lower Process (FWD half)		200mm x 200mm scale resting on flange of beam	1	8	C	3	Medium (9)	Surface corrosion is significant in a small area though it looks unlikely to break away. Most of the material seems to still be there.	Will require action.	PX17	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-08	PDO-2017_151	Lower Process (FWD half)		500mm long firewater support bracket corrosion scale peeling away	0.5	6	C	1	Low (3)	Significant surface corrosion though structure still looks sound.	Should inspect joint. Unclear in photo. To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-09	PDO-2017_152	Lower Process (FWD half)		500mm long firewater support bracket corrosion scale peeling away	0.5	8	D	1	Medium (4)	Significant surface corrosion bracket looks thin so potential for dropped object.	Should inspect. Photo is unclear. To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-10	PDO-2017_153	Lower Process (FWD half)		Various corrosion scale approx. 150mm sitting on flange of structure beam	1	5	D	2	Medium (8)	Lots of corrosion flakes that have broken away from the structure and are resting on the flange.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-11	PDO-2017_154	Lower Process (FWD half)		Various corrosion scale approx. 150mm peeling away from beam	0.8	5	B	1	Low (2)	Peeling present though structure is still sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-12	PDO-2017_155	Lower Process (FWD half)		70mm x 70mm cable tray bracket corrosion peeling away and starting to detach from staircase structure	3	4	B	3	Medium (6)	Still a lot of material left at joining though support is starting to detach from main structure.	Will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-13	PDO-2017_156	Lower Process (FWD half)		70mm x 70mm cable tray bracket corrosion peeling away and starting to detach from staircase structure	3	4	B	3	Medium (6)	Significant surface corrosion on bracket. Difficult to determine PDO from photo - need to inspect joint. (This is the same cable tray that links up with PDO-12)	Should inspect joint. Unclear in photo. Same as PDO-12 will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-14	PDO-2017_157	Lower Process (FWD half)		Light beacon brackets detaching from staircase structure 200mm corrosion	5	3	D	2	Medium (8)	Bracket joints are badly deteriorated and there is not much material left at some points.	Will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-15	PDO-2017_158	Lower Process (FWD half)		Various scale at 250mm falling away	1	8	D	3	High (12)	Small bits of scale falling away.	Will require action.	PX16	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-16	PDO-2017_159	Lower Process (FWD half)		Various scale at 250mm falling away	1	8	D	3	High (12)	Small bits of scale falling away.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-17	PDO-2017_160	Lower Process (FWD half)		Various scale at 250mm peeling away resting on beam	0.7	4	D	1	Medium (4)	Flakes of corrosion have already detached and are resting on the beam.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	

Jun-17	Vertech	Lower Process (FWD half) - PDO-18	PDO-2017_161	Lower Process (FWD half)		1m long by 200mm cladding held on by half of its rivet fixings and sikaflex	0.8	5	A	1	Low (1)	Cladding has already been removed.	Install new cladding	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-19	PDO-2017_162	Lower Process (FWD half)		U-Bolts and various corrosion scale approx. 150mm on structure beam above walk way.	0.5	4	D	1	Medium (4)	One of the U-bolts has already detached the rest have significant corrosion - could be PDO.	Will require action.	See Vertech PDO report	6	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-20	PDO-2017_163	Lower Process (FWD half)		U-Bolts to brackets in poor condition with corrosion scale @ approx. 100mm	0.7	4	D	1	Medium (4)	U-bolt and bracket in very poor condition. Need to inspect joint.	Should inspect joint. Unclear in photo. To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	4	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-21	PDO-2017_164	Lower Process (FWD half)		C-Channel beams in poor condition with various scale up to 250mm long falling away	1	6	C	2	Medium (6)	Various corrosion though the structure and joints of the beam still look sound.	Will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-22	PDO-2017_165	Lower Process (FWD half)		200mm scale corrosion in the corners of beams peeling away.	0.8	4	C	3	Medium (9)	Significant peeling at joint but there is still a lot of material left and the structure still looks sound.	Will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-23	PDO-2017_166	Lower Process (FWD half)		1500mm long firewater support bracket in poor condition with various scale @ 150mm peeling away	0.8	6	D	3	High (12)	Bracket has heavy surface corrosion. Difficult to determine PDO from image. Does this bracket only has one point of contact? Should be D if it does.(bracket only has one point of contact)	Should inspect joint. Unclear in photo.	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-24	PDO-2017_167	Lower Process (FWD half)		70mm x 70mm cable tray bracket detached from structure	2	4	D	1	Medium (4)	Joint has deteriorated and the bracket has detached from the structure.	Will require action.	See Vertech PDO report	0	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-25	PDO-2017_168	Lower Process (FWD half)		C-Channel beams in poor condition with various scale up to 300mm long peeling away	2	6	B	3	Medium (6)	Corrosion present along beam though structure is still sound. Need to inspect beam joints.	Should inspect joint. Unclear in photo. Requires removing all corrosion scale from height	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-26	PDO-2017_169	Lower Process (FWD half)	Removed. Further work required.	RHS Pipe support 800mm long in poor condition with corrosion holes and 250mm scale falling away	15	3.5	0	0	#N/A	PDO has already been removed.	Fabricate and install new support and Ubolts to suit	PX16	0	Y	
Jun-17	Vertech	Lower Process (FWD half) - PDO-27	PDO-2017_170	Lower Process (FWD half)		1m long firewater support corroded with some scale at 80mm peeling away	4	6	C	2	Medium (6)	Support has corrosion on entire surface though the structure still looks sound.	Will require action.	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-28	PDO-2017_171	Lower Process (FWD half)		150mm Firewater support and U-bolt in poor condition with scale build up falling away	0.8	6	C	2	Medium (6)	U-bolt in bad condition - looks like could be PDO soon.	Should inspect joint. Unclear in photo. Remove a l corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-29	PDO-2017_172	Lower Process (FWD half)		Firewater bracket and structure beams with 200mm scale	0.7	3	D	1	Medium (4)	Pieces of corrosion have already flaked off and are resting on beam.	Will require action.	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-30	PDO-2017_173	Lower Process (FWD half)		1 metre long RHS firewater support and structure beam in poor condition with various corrosion scale up to 200mm	0.7	5	C	3	Medium (9)	Surface corrosion present though the structure still looks sound. Need to further inspect joint.	Should inspect joint. Unclear in photo. Remove a l corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-31	PDO-2017_174	Lower Process (FWD half)		Firewater bracket and structure beams with scale corrosion peeling away up to 300mm	1	3	D	1	Medium (4)	Beam is heavily corroded. Pieces of corrosion are starting to flake off.	Will require action.	See Vertech PDO report	1	1	
Jun-17	Vertech	Lower Process (FWD half) - PDO-32	PDO-2017_175	Lower Process (FWD half)		Firewater RHS support in poor condition with various up to 300mm	2	3.5	C	1	Low (3)	Beam has corrosion but structure still looks sound. Joints look like there are in okay condition.	To inspect remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-33	PDO-2017_176	Lower Process (FWD half)		Up to 700mm long corrosion on top of structure beam	2	4	B	2	Low (4)	Lots of surface corrosion though beam structure is still solid.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-34	PDO-2017_177	Lower Process (FWD half)		2metre and 1metre long C Channel cable tray brackets with various scale up to 200mm flaking away	0.7	5	C	1	Low (3)	Lots of flaking at joints but structure still looks sound.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-35	PDO-2017_178	Lower Process (FWD half)		Pipe support with scale up to 200mm in corners at beam structures	1	4.5	C	3	Medium (9)	Lots of corrosion and scale at joints though structure is still solid.	Remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Lower Process (FWD half) - PDO-36	PDO-2017_179	Lower Process (FWD half)	Removed. Further work required.	600mm long RHS pipe support section in poor condition corroding away and detaching	15	3.5	0	0	#N/A	PDO has already been removed.	Fabricate and install new bracket	PX14	0	Y	
Jun-17	Vertech	Lower Process (FWD half) - PDO-37	PDO-2017_180	Lower Process (FWD half)		The underside on flange of structure beam with corrosion scale up to 400mm	1	8	D	3	High (12)	Flange has various corrosion though structure is still sound. Potential for small pieces of corrosion to break off and fall.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-38	PDO-2017_181	Lower Process (FWD half)		Underside on flange of structure beam with corrosion scale up to 300mm peeling away	0.8	7	D	2	Medium (8)	Underside of beam has lots of flakey corrosion which has the potential to break away and fall.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-39	PDO-2017_182	Lower Process (FWD half)		Underside on flange of structure beam and monorail beam with corrosion scale up to 150mm peeling away	0.8	7	D	2	Medium (8)	Flange and beam have flakey corrosion which has the potential to break away and fall.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-40	PDO-2017_183	Lower Process (FWD half)		Underside on flange of structure beam and upright column with corrosion scale up to 150mm flaking away	0.8	8	C	2	Medium (6)	Corrosion has only just started to flake.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-41	PDO-2017_184	Lower Process (FWD half)		Structure beam with corrosion scale up to 300mm falling away	0.8	7	C	2	Medium (6)	Flaking but no loose pieces.	Scrap all corrosion away remove from height.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-42	PDO-2017_185	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-43	PDO-2017_186	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-44	PDO-2017_187	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.

Jun-17	Vertech	Lower Process (FWD half) - PDO-45	PDO-2017_188	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-46	PDO-2017_189	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-47	PDO-2017_190	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-48	PDO-2017_191	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-49	PDO-2017_192	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-50	PDO-2017_193	Lower Process (FWD half)		Approx. 20 metre long double cable tray with 8 x RHS support brackets in poor condition at the join with corrosion and detaching from the cable tray brackets.	weight varies with	7	D	5	Very High (20)	Difficult to see from image but report says that bracket joints are in poor condition and have started to detach.	Remove all corrosion to make a better assessment to replace or paint	PX14 (ST)	0	Y	Cannot find information here. Need to see site.
Jun-17	Vertech	Lower Process (FWD half) - PDO-51	PDO-2017_194	Lower Process (FWD half)		U-Bolt on firewater line in poor condition corroding away	0.6	7	C	2	Medium (6)	U-bolt has started to corrode away.	Will require action.	See Vertech PDO report	1	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-52	PDO-2017_195	Lower Process (FWD half)		Structure beams with corrosion scale up to 200mm flaking away around the joins	0.7	5	D	1	Medium (4)	Significant flaking at joint which is likely to break away and fall.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-53	PDO-2017_196	Lower Process (FWD half)		Structure beams with corrosion scale up to 200mm flaking away around the joins	0.7	5	D	1	Medium (4)	Flaking at joint which is likely to break away and fall.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-54	PDO-2017_197	Lower Process (FWD half)		Structure beams with corrosion scale up to 300mm Peeling away around the joins	0.8	5	D	1	Medium (4)	Significant flaking at joint which is likely to break away and fall.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Lower Process (FWD half) - PDO-55	PDO-2017_198	Lower Process (FWD half)		Platform structure beam with corrosion scale up to 200mm peeling away	0.6	5	D	1	Medium (4)	Flaking at joint which is likely to break away and fall.	Will require action.	See Vertech PDO report	0	N	
Jun-17	Vertech	Turret - PDO-01	PDO-2017_199	Turret		Corrosion blisters up to 250mm	0.7	10	C	3	Medium (9)	Corrosion blisters present but material does not look like it will break away.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-02	PDO-2017_200	Turret		Corrosion Blister flaking and peeling up 300mm x 150mm	0.7	10	C	3	Medium (9)	Corrosion blisters present but material does not look like it will break away.	Scrap all corrosion away remove from height.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-03	PDO-2017_201	Turret		U-Bolt corroding from support	1	7	D	3	High (12)	U-bolt is likely to fall as the bolts on top are in very poor condition.	Will require action.	Turret	1	Potential	
Jun-17	Vertech	Turret - PDO-04	PDO-2017_202	Turret	Removed. Further work required.	Corrosion blister up to 250mm	0.7	20	0	0	#N/A	PDO has already been removed.	Repair hole in steel	Turret	0	Remove corrosion repair hole	
Jun-17	Vertech	Turret - PDO-05	PDO-2017_203	Turret	Removed. Further work required.	AFT side of the Forward main upright round structure beam with corrosion blister approx 250mm x 100mm	0.7	17	0	0	#N/A	PDO has already been removed.	Repair/Paint	Turret	0	N	
Jun-17	Vertech	Turret - PDO-06	PDO-2017_204	Turret		Pipe support with various scale corrosion flaking away potential to fall through grid mesh to lower levels	0.4	6	D	1	Medium (4)	Significant flaking which has already broken away and is resting on flange.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-07	PDO-2017_205	Turret		Corrosion scale on flange of beam peeling away approx 300mm x 150mm	0.8	4	C	2	Medium (6)	Corrosion present though it looks unlikely for pieces to break away.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-08	PDO-2017_206	Turret		Corrosion scale on flange of beam peeling away approx 300mm x 150mm	0.8	4	C	2	Medium (6)	Flange is heavily surface corroded though it does not seem likely for pieces to break away.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-09	PDO-2017_207	Turret		Support beam with various corrosion scale with flakes peeling away on flange up to 600mm long	1	3.5	D	1	Medium (4)	Significant flaking but it does not look like pieces are going to break away.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-10	PDO-2017_208	Turret		Corrosion scale on flange of beam peeling away approx 300mm x 150mm	0.8	4	D	1	Medium (4)	Flaking has started to occur on top of the flange.	Will require action.	Turret	0	N	
Jun-17	Vertech	Turret - PDO-11	PDO-2017_209	Turret		Corrosion tab section on web of beam corroding away approx 180mm x 100mm	0.8	4	D	1	Medium (4)	Difficult to see what this image is	Should inspect again - photo is unclear. Remove all corrosion to make a better assessment to replace or paint	Turret	0	N	
Jun-17	Vertech	Turret - PDO-12	PDO-2017_210	Turret		Forward of the AFT staircase of Turret the heat shield coverings have some fixings come away the steel members to fix to are in poor condition	1 to 2	15	D	5	Very High (20)	Difficult to see PDO but the bracket behind the heat shield look like they are in very poor condition. Remove all corrosion from brackets behind heat shields to make a better assessment to replace or paint	Should inspect again - photo is unclear. Remove all corrosion to make a better assessment to replace or paint	Turret (Back side)	0	Y	Cannot determine
Jun-17	Vertech	Turret - PDO-13	PDO-2017_211	Turret	Removed. Further work required.	300mm x 200mm corrosion peeling away on round beam to staircase and at the base of a cable tray and sensor/detector bracket	1 to 2	16	0	0	#N/A	PDO has already been removed.	Repair/Paint	Turret	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-01	PDO-2017_212	Upper Process Deck Level		Coating Peeling away from Vessel	0.3	25	D	2	Medium (8)	Coating is flaking off vessel and it is likely that pieces will fall off soon.	Will require action.	PX17	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-02	PDO-2017_213	Upper Process Deck Level		Coating Peeling away from Vessel	0.3	15	D	1	Medium (4)	Coating is likely to break away from the vessel and has already done so.	Will require action.	PX17	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-03	PDO-2017_214	Upper Process Deck Level		Coatings and Corrosion Peeling away from Monorail beams	0.2	4	D	1	Medium (4)	Coating is peeling off beam and is likely to break away soon.	Will require action.	PX15	0	N	

Jun-17	Vertech	Upper Process Deck Level - PDO-04	PDO-2017_215	Upper Process Deck Level		Coatings and Corrosion Peeling away from Monorail beams	0.2	4	D	1	Medium (4)	Coating is peeling off beam and is likely to break away soon.	Will require action.	PX15	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-05	PDO-2017_216	Upper Process Deck Level		Coatings and Corrosion Peeling away from Monorail beams	0.2	4	D	1	Medium (4)	Coating is peeling off beam and is likely to break away soon.	Will require action.	PX15	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-06	PDO-2017_217	Upper Process Deck Level		Coatings and Corrosion Peeling away from Monorail beams	0.2	4	D	1	Medium (4)	Coating is peeling off beam and is likely to break away soon.	Will require action.	PX15	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-07	PDO-2017_218	Upper Process Deck Level		Coatings and Corrosion Peeling away from Monorail beams	0.2	4	D	1	Medium (4)	Coating is peeling off beam and is likely to break away soon.	Will require action.	PX15	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-08	PDO-2017_219	Upper Process Deck Level		150mm scale corrosion peeling away from support around bolts	0.3	5	C	1	Low (3)	Corrosion is present though risk of anything falling looks negligible.	Will require action.	PX14	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-09	PDO-2017_220	Upper Process Deck Level		200mm x 200mm scale peeling away resting on flange of beam	0.5	5	D	1	Medium (4)	Piece of corrosion has already detached and is resting on flange of beam.	Will require action.	PX14	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-10	PDO-2017_221	Upper Process Deck Level		250mm long 50x50 angle firewater support detached from structure and held on by U-bolt	1	2 will land on platform	D	1	Medium (4)	Bracket has already detached at one point other joint is not in good condition.	Will require action.	PX14	1	Y	
Jun-17	Vertech	Upper Process Deck Level - PDO-11	PDO-2017_222	Upper Process Deck Level		100mm kick plate corroding away from grid mesh around firewater line	0.3	6	D	1	Medium (4)	Kick plate has already corroded through the circumference at some point and small pieces have fallen away.	Will require action.	PX14	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-12	PDO-2017_223	Upper Process Deck Level		50mm to 150mm of grid mesh sections corroding away next to firewater line	0.2	6	D	1	Medium (4)	Small section of the mesh has already corroded and fallen away. Small areas around that is likely to do the same.	Will require action.	PX14	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-13	PDO-2017_224	Upper Process Deck Level		Scale on upright structure corroding away and around 90% detached.	0.4	6	E	1	Medium (5)	90% of the bottom structure has detached. Need to check what other supports are holding this beam in place. Supported at other top end okay but need to repair this bottom detached section	Inspect again. Photo is unclear. Will require action	PX14	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-14	PDO-2017_225	Upper Process Deck Level		2 meter long cable tray id has less than half of its fixings in place	2	3	D	3	High (12)	Fixing is poor though the cable tray has many other fixings in place. In an exposed area of high wind potential for other fixings to rattle loose	Will require action.	PX14	0	N	
Jun-17	Vertech	Upper Process Deck Level - PDO-15	PDO-2017_226	Upper Process Deck Level		Under grid mesh STBD staircase 2.5m long RHS beam 98% corroding away and detaching at this one end other end of RHS is in good condition	30	15	C	5	High (15)	Beam 98% detached at one end. Not likely to fall as other joint is in good condition and completely secure however this should be rectified asap.	Will require action.	PX12	0	Y	
Jun-17	Vertech	Upper Process Deck Level - PDO-16	PDO-2017_227	Upper Process Deck Level		1 @ 300mm long and 1@ 100mm long handrail sections corroded away and starting to detach at the ends from structure	1	20	C	5	High (15)	Handrail sections have started to corrode away but there is still a considerable amount of material left on the joints.	Will require action.	PX09	0	Y	
Jun-17	Vertech	Upper Process Deck Level - PDO-17	PDO-2017_228	Upper Process Deck Level	Removed. Further work required.	1 @ 300mm long and 1@ 100mm long handrail sections corroded away and starting to detach at the ends from structure	1	20	D	5	Very High (20)	Handrail section is corroding away at both ends and will likely fall off within a year. Smaller section looks less likely to break away.	Will require action.	PX09 (mid)	0	Y	Crash rail / Hand rail - could find in batch files
Jun-17	Vertech	Upper Process Deck Level - PDO-18	PDO-2017_229	Upper Process Deck Level	Removed. Further work required.	1 @ 300mm long and 1@ 100mm long handrail sections corroded away and starting to detach at the ends from structure	1	20	D	5	Very High (20)	Handrail section is corroding away at both ends and could fall off within a year?	Will require action.	PX09 (mid)	0	Y	Crash rail / Hand rail - could find in batch files
Jun-17	Vertech	Upper Process Deck Level - PDO-19	PDO-2017_230	Upper Process Deck Level	Removed. Further work required.	1 @ 300mm long and 1@ 100mm long handrail sections corroded away and starting to detach at the ends from structure	1	20	D	5	Very High (20)	Handrail section is corroding away at both ends and could fall off within a year?	Will require action.	PX09 (mid)	0	Y	Crash rail / Hand rail - could find in batch files
Jun-17	Vertech	Upper Process Deck Level - PDO-20	PDO-2017_231	Upper Process Deck Level		Under grid mesh forward of module 1800mm long 100mm x 100mm angle various scale peeling away.	15	3	C	2	Medium (6)	Support is badly corroded though still looks structurally sound.	Remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-21	PDO-2017_232	Upper Process Deck Level		Under grid mesh forward of module 1800mm long 100mm x 100mm angle various scale peeling away.	15	3	C	2	Medium (6)	Support is badly corroded though still looks structurally sound.	Remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-22	PDO-2017_233	Upper Process Deck Level		Under grid mesh forward of module 1800mm long 100mm x 100mm angle various scale peeling away.	15	3	C	2	Medium (6)	Support is badly corroded though still looks structurally sound?	Remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-23	PDO-2017_234	Upper Process Deck Level		Under grid mesh forward of module 1800mm long 100mm x 100mm angle various scale peeling away.	15	3	C	2	Medium (6)	Support is badly corroded though still looks structurally sound.	Remove all corrosion to make a better assessment to replace or paint	PX04	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-24	PDO-2017_235	Upper Process Deck Level		Corroded 50mm x 50mm angle 150mm long	0.7	3	D	1	Medium (4)	Lots of corrosion flakes that are likely to break away and fall.	Will require action.	PX04	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-25	PDO-2017_236	Upper Process Deck Level		Lower support brackets on phone booth corroding away. Over the side potential dropped object into water	2	40 to water	D	5	Very High (20)	Already corroded through at middle section likely to break away within a year.	Will require action.	PX01 (PT)	0	Y	Cannot determine. Angle bar.
Jun-17	Vertech	Upper Process Deck Level - PDO-26	PDO-2017_237	Upper Process Deck Level		Lower support brackets on phone booth corroding away. Over the side potential dropped object into water	2	40 to water	C	5	High (15)	Surface corrosion present though the structure still looks sound. Need to further inspect thinner bracket.	Remove all corrosion to make a better assessment to replace or paint	Helideck	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-27	PDO-2017_238	Upper Process Deck Level		RHS light support bracket with 200mm x 100mm corroded scale peeling away.	0.5	3	C	1	Low (3)	Corrosion flake starting to form but no chunks look likely to fall.	Will require action.	See Vertech PDO report	0	Potential	
Jun-17	Vertech	Upper Process Deck Level - PDO-28	PDO-2017_239	Upper Process Deck Level		Firewater line support bracket to U-bolt detaching and corroding away.	0.3	4	D	1	Medium (4)	Difficult to see photo. Looks like U-bolt may be at risk of falling at the support bracket is corroding away.	Remove all corrosion to make a better assessment to replace or paint	See Vertech PDO report	1	Potential	
1/02/2018	Offshore		PDO-2018_001	Cargo Deck Level (AFT half)		Diagonal brace above walkway is badly corroded at joint metal lost around webbed joint.	> 100	2.5	C	5	High (15)	Near main pipe rack.		HD30ST	0	Y	
1/02/2018	Offshore		PDO-2018_002	GT FWD Platforms		Barrier handrails severely corroded & old scaffolding in poor unchecked condition.	> 100	10	D	5	Very High (20)	PDO is at the back of the generators on the STB side. This will be covered under a separate scope of work, not PDOs (e.g. emergency escape routes)			0	Y	

[illegible]



