

Oil and Gas Industry

CASE STUDY

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Key Facts

Sector Oil and Gas Industry

Category Investigation of 10" Subsea Pipeline from Satellite Platform

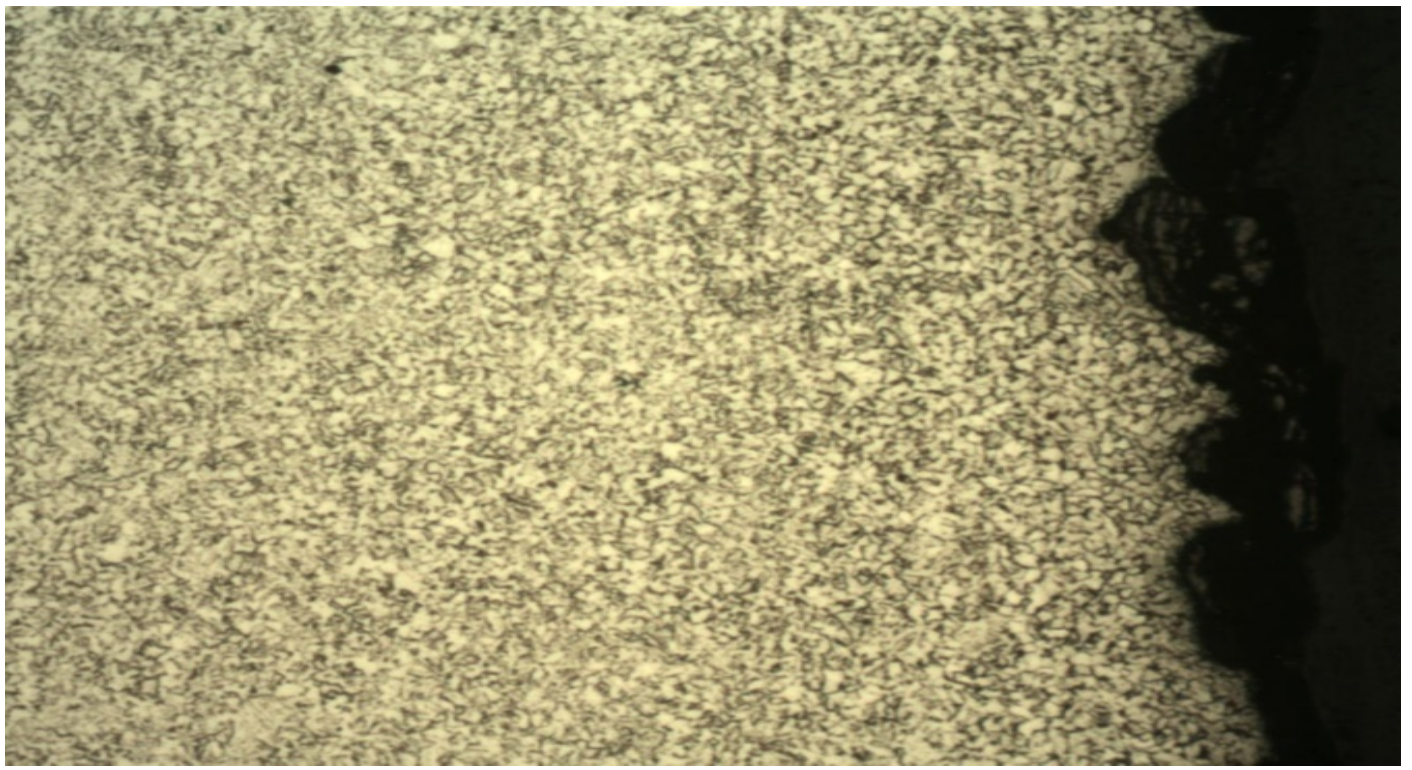
Problem

- 10" subsea pipeline transporting crude oil from satellite platform PE to PA was found touching the jacket structure at the J-tube location.
- Damage to the pipeline at the bend portion was suspected by way of thickness reduction.
- MOC of the pipeline is API 5L Gr.X65



Diagnosis

- All over the bend, extrados area shows lower thickness than the nominal thickness which appears due to bend formation.



Solution/Recommendations

- The pipe material meets with the intended specification of API 5L Grade X65.
- No significant presence of localized corrosion on OD as well as ID of extrados region.
- The damage in form of 0.3mm thickness loss in extrados region is superficial in nature at the elliptical patch area due to under-deposit corrosion from ID.
- There is no significant damage as well as thickness loss due to external rubbing.
- All the bends across the pipeline required to be checked for thickness in extrados region; those lower thickness than permitted needs to be addressed appropriately.

Contact Us

If you are interested to learn more about TCR Advanced,
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