SKPS
Sap & Kaps Petroleum Services l.l.c

Case Study
8” External Corrosion using Clock Spring® Composite Repair

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1 Defect area

An external corrosion was found at several locations at an Offshore production platform oil producer operator on 8” riser due to neoprene coating damage. External corrosion found at several locations on an 8” Offshore riser due to neoprene coating damage.

2 Clock Spring ® composite sleeve application

HT Clock Spring® Composite repair sleeve was an approved permanent repair system to recover the metal loss and to maintain the line in operation with full production capacity. The surface prepared to SA 2/1 2. Clock Spring coil placed over the defected area.

3 Top coat

The full 8 layer repair completed in less than 1 hour.

4 Design Criteria

Operating Pressure	: 2233 psi
Operating Temp	: 70^{o} Celsius
Defect Type	: External Corrosion
Size	: 8”
Material	: API 5L-X 60
Defect Analysis	: External corrosioncaused by Neoprene cotating damage.