

Application

Gas: Hydrogen
Suction Pressure: 19 barg / 276 psig
Discharge Pressure: 84 barg / 1,218 psig
Suction Temperature: 45 °C / 113.0 °F
Discharge Temperature: 116 °C / 240.8 °F

Failure Mode

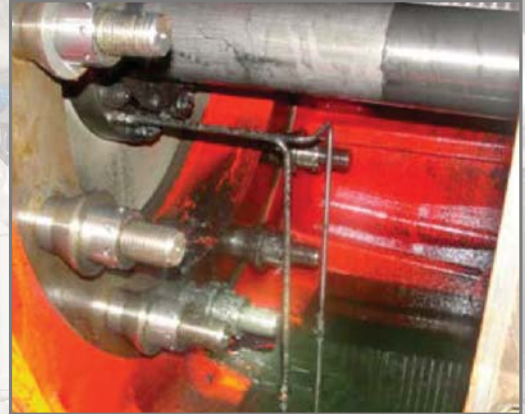
Leakage in packing rings. Lubrication oil was found in distance piece. Excessive wear on packing internals.

Root Cause

Lubrication oil was blown away from the rod due to the leaking internals. Wear was caused by the insufficient lubrication then.

Solution

Design modification of the single sealing ring. Oil remains inside the packing. Running time increased significantly.



Improved Design of Single Sealing Ring

FIELD CASE

Packing Internals

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