

APPLICATION

Gas: Hydrogen
Suction Pressure: 19barg / 290psig
Discharge Pressure: 84barg / 1233psig
Suction Temperature: 45°C / 113,0°F
Discharge Temperature: 116°C / 240,8°F

FAILURE MODE

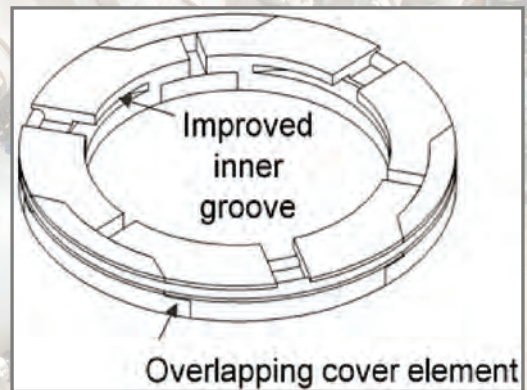
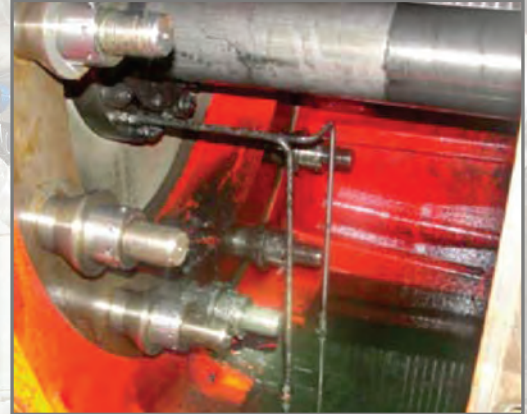
Leakage in packing rings. Lubrication oil was found in distance piece. Excessive wear on packing internals.

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

STASSKOL, Inc.
19911 Morton Rd., Suite 200
Katy, Texas 77449
USA
Phone: +1 713 244 5050
Mobile: +1 281 91 0567
Web: www.stasskol.com

STASSKOL GmbH
39418 Stassfurt
Maybachstrasse 2
Germany
Phone: +49 3925 288 100
Mail: info@stasskol.de
Web: www.stasskol.de