

Solution for Rider Ring Wear Problem in Boil off Gas Reciprocating Compressor: A Case Study

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Abstract : In this paper, the wear problem on rider rings of boil off gas compressor has been studied. This kind of oil free double acting compressor has free floating piston (FFP) technology and as a result of that it should have the lowest possible wear on its rider rings. But a design problem had caused a complete wear of rider rings after one month of continuous operation. In this case study, the source of this problem was recognized and solved.

Keywords : piston rider, rings, gas distribution, pressure wear

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