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Experimental Determination of Scroll Compressor Lubrication System Performance

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**EXPERIMENTAL DETERMINATION OF SCROLL
COMPRESSOR LUBRICATION SYSTEM PERFORMANCE**

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ABSTRACT

The performance and reliability of hermetic compressor lubrication systems are recognized as vital aspects of compressor design.

Previous papers have dealt with both theoretical and experimental determination of lubrication system performance for rolling piston type rotary and for reciprocating type compressors. This paper describes a test apparatus suitable to determine the lubrication system operating characteristics of a scroll compressor. Test results are described and compared to predicted performance per the modeling technique described by Waser, 1986 Purdue Compressor Conference.

(Check Appendix B)