



SHELL CLAVUS[®] OIL S 68

Ammonia refrigeration oil

Product Description

Shell Clavus[®] Oil S 68 is manufactured from highly refined paraffinic base stocks blended with a carefully balanced additive package designed to provide long service life and minimize system deposits. Shell Clavus[®] Oil S 68 is specifically formulated to meet the demanding needs of rotary screw compressors used in commercial ammonia refrigeration systems.

Applications

- designed primarily for use in rotary screw ammonia refrigeration compressors
- ammonia refrigeration compressors (rotary and reciprocating) where operating conditions are severe moderate and economical oils are desired
- hydraulic systems that operate below a maximum operating pressure of 1,000 psi

Features/Benefits

- reduced lubricant carryover
- excellent oxidation stability, which reduces oil thickening and deposit formation
- excellent thermal stability that minimizes formation of gums, varnishes and sludge deposits (demonstrated excellent performance in the European DIN 51538 AMAST test)
- excellent lubricity which guards against wear of compressor parts
- minimizes incidence of soap deposits
- excellent foam control
- extended service life

Note: Shell Clavus[®] Oil S 68 is **NOT** recommended for use with Freon or HFC refrigerants such as R-134a and is **NOT** recommended for use in breathing air compressors.

Typical Properties of Shell Clavus [®] Oil S 68		
	Test Method	68
Code No.		65515
Appearance		Light Pale
Gravity, °API	D 1298	32.5
Flash Point, COC, °F	D 92	450
Pour Point, °F	D 97	-35
Total Acid Number, mg KOH/g	D 974	0.05
Viscosity	D 445	65.3
@ 40°C, cSt	D 445	9.09
@ 100°C, cSt	(calc.)	337
@ 100°F, SUS	(calc.)	56.9
@ 210°F, SUS		
Viscosity Index	D 2270	115
RBOT, mins	D 2272	750+
Foam, Sequence II	D 892	
ml @ 0 minutes		Trace
ml @ 10 minutes		0
Copper Corrosion, 3 hrs @212°F	D 130	1a
DW Emulsion, Sep time, min	D 1401	10

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.