



Advanced Lubricants Technology

PRODUCT INFORMATION

PERENNIAL HYCOM R SERIES (PARAFFINIC PISTON, ROTARY/RECIPROCATING COMPRESSOR OIL)

DESCRIPTION

PERENNIAL HYCOM R is a premium paraffinic base oil with high Viscosity Index and narrow distillation range of oil specially designed for lubricating piston and rotary compressors with oil temperatures up to 220° C.

PERENNIAL HYCOM R contains special ashless additives to impart outstanding anti-wear properties, anti-oxidation, corrosion protection, thermal stability, low sludge formation tendency and excellent demulsibility properties. Besides, it also has good anti-foam and air release properties. These special properties will provide extended operating periods between overhauls in reciprocating compressors.

PERENNIAL HYCOM R Series oils meet specifications of Stringent DIN 51506 VD-L requirement include high resistance to oxidation and deposit formation as measured in 51352-1 oxidation test. In addition, they meet the Pneurop Oxidation test 51352-2 and low volatility requirement as measured in DIN51356. Besides, it also has a very good rust protection acc to ASTM D665 with synthetic sea water.

SPECIAL FEATURES:

- Good wetting and anti-wear properties
- Excellent viscosity-temperature behaviour
- Excellent oxidation stability and resistance to ageing
- Excellent dirt transportation and cleaning properties to have longer intervals between valve cleaning
- Optimum wear protection and good pressure absorption properties
- Good compatibility with elastomers
- Low foaming and good air separation
- Good corrosion protection for ferrous and non-ferrous metals
- Excellent demulsifying properties totally eliminates the problems associated with the formation Of sludge or water in oil emulsions, improved inter and after cooler efficiency
- Lower operating cost

APPLICATION

The **HYCOM R** Series of oils are recommended for use of lubrication of both cylinders and crankcases of reciprocating air compressors. It may also be used for drip-feed rotary sliding vane and screw type compressors which are from manufacturers like Atlas Copco, Ingersoll-Rand, Broom and Wade (Comair) and etc.

The correct viscosity grade should always be determined from instruction manual and Equipment Builders Books.

TYPICAL INSPECTION TESTS

	46	68	100	150
Grade, ISO VG	46	68	100	150
Density, g/ml @ 15°C	0.877	0.883	0.887	0.890
Colour ASTM	L2.0	L2.0	L2.5	L2.5
Flash Point, COC, °C	226	238	255	265
Viscosity, cSt @ 40°C	46.1	69	101	152
CSt @ 100°C	6.9	8.7	11.4	15.0
Viscosity Index	100	100	95	95
Neutralization No, mgKOH/g(DIN51558)	0.11	0.11	0.2	0.2
Sulphate Ash %mass (DIN51575)	<0.01	<0.01	<0.01	<0.01
Water Soluble content (DIN51582)		too low to measure		
Water Soluble acids		neutral		
Demulsifying Power (mins)	8	15	16	16
Air separation (mins)	3	4	6	8
Foam Test, ASTM Sequence I/II/III	Pass	Pass	Pass	Pass
FZG gear test (DIN51354)	12	12	12	12
4 Ball test (DIN51350)	0.44	0.44	0.44	0.44
Pneurop ageing test(Conradson carbon residue)	0.57%			
Copper Strip Corrosion 3Hrs @ 100°C 1a	1a	1a	1a	

The above details is typical and does not constitute a contract in terms of properties