



Raysun Nepton TM

Supreme Performance Synthetic Air & Gas Compressor Oil

Raysun Nepton TM series are advanced reciprocating air & gas compressor lubricants specially designed for the lubrication of sever duty reciprocating air & gas compressors. These oils are formulated with suitable synthetic ester base fluid and high technology additive system in order to provide excellent wear protection and outstanding resistance to oxidation and thermal degradation also particularly effective for continues high temperature operation with discharge temperatures up to 200 °C. The use of Raysun Nepton TM series can result in cleaner compressors and lower deposits compared to conventional mineral oils, resulting in longer running periods between maintenance intervals and they have negligible solubility in hydrocarbon chemical gas

Advantages

- Effective rust and corrosion protection improved protection of valves and reduced wear of rings and Cylinders
- High Load carrying ability that reduced wear of rings, cylinders, bearings and gears
- Outstanding oxidation and thermal stability in order to improved filter life, longer oil life and lower Maintenance costs
- Low ash and carbon formation that reduced deposits in discharge lines, reduced potential for fires and explosions in discharge systems, improved compressor performance
- High performance synthetic ester base fluid in order to improved safety relative to mineral oils
- Compatible with seals made from fluorinated hydrocarbon, silicon, fluorsilicone, polysulfide, Viton, Teflon and high nitrile Buna N NBR (above 36% acrylonitrile) materials
- Seal materials not recommended include low nitrile Buna N NBR (below 30% acrylonitrile), natural and Butyl rubbers, Neoprene, polyacrylate, styrene/butadiene and chlorosulfonated polyethylene

Applications

- Can be used in gas compressors with hydrocarbon chemical gases like propane, butane, mixtures of ethylene, propylene and butylene
- All type of air compressors but specifically recommended for reciprocating air compressors units operating under sever conditions
- Multistage units with a history of excessive oil degradation from mineral oil-based products Lubrication of cylinder and crankcase
- Compressor systems with critical gears and bearing Compressor used in stationary and mobile applications



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ISO Viscosity Grades					ASTM Method	Specification
150	100	68	46	32		
0.968	0.967	0.969	0.964	0.960	D 1298	Density @ 15°C, kg/l
150	100	68	46	32	D 445	Viscosity @ 40 °C, cSt.
13.4	10.53	8.9	7.28	5.9	D 445	Viscosity@ 100°C, cSt
80	85	104	120	130	D 2270	Viscosity Index
254	258	260	266	262	D 92	Flash Point, °C
-39	-42	-45	-45	-48	D97	Pour Point, °C
Pass	Pass	Pass	Pass	Pass	D665 A/B	Rust Test
1a	1a	1a	1a	1a	D130	Copper corrosion

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."