

HPA OIL

Synthetic Compressor Lubricant

Product Data Sheet



HPA is an ISO 150 synthetic diester based compressor lubricant specifically designed to provide long-term lubrication in air and process gas compressors.

HPA meets or exceeds the following specifications:

DIN 51506 VDL, ISO 6743-3 L-DVC

ADVANTAGES / BENEFITS

No metal additives to interfere with catalytic processes

- Fewer oil changes
- Reduces compressor maintenance
- Greatly reduces fire and explosion hazard
- Separates water condensate rapidly
- Lower oil consumption
- Eliminates lacquering and deposits
- Reduces energy consumption

COMPATIBILITY

The following seals, paints and plastics are recommended for use in contact with HPA OIL synthetic lubricant. Materials not recommended are also shown. For more information on other materials see our 'Compatibility Guide'.

RECOMMENDED:

Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon, PBT

NOT RECOMMENDED:

Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS

APPLICATION

- Air
- Butadiene
- Carbon Monoxide
- Carbon Dioxide (dry)
- Ethylene
- Helium
- Hydrogen
- Natural gas
- Methane
- Nitrogen
- Propane

Cylinder and crankcase lubrication for reciprocating compressors, vane compressors and vacuum pumps.

Nominal Operating Range -15°C to 230 °C

PROPERTIES	TEST METHOD	HPA OIL
Appearance @ 20°C	visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	136.3
Viscosity @ 100°C, cSt	ASTM D-445	12.6
Viscosity Index	ASTM D-2270	81
Density @ 15°C, kg/l	ASTM D-1298	0.964
Total Acid Number, mg KOH/g	ASTM D-664	0.05
Flash Point, °C	ASTM D-92	264
Pour Point, °C	ASTM D-97	-39
Demulsibility @ 82°C, min	ASTM D-1401	10
Sulphated ash	DIN 51575	0.011
Air release, min	ASTM D-3427	3.2
% CRC of 20% dest	DIN 51536	0.098
Carbon Conradson residue, %	ASTM D-189	0.1
Evaporation loss, %	ASTM D-972	0.3