

C & L H-SERIES

100% SYNTHETIC COMPRESSOR FLUIDS

DESCRIPTION

Chem and Lube H Series Synthetic Compressor Fluids are formulated using 100% synthetic hydrocarbon and ester basestocks with specially-designed additives for long-lasting lubrication.

H Series provide extended service life, protection against wear, rust and corrosion inhibition, low volatility, hydrolytic stability and superior oxidation and thermal stability.

BENEFITS

- Oil drain intervals are extended up to 8000 hours
- Low volatility reduces oil consumption
- Reduced maintenance costs
- Reduced varnish, sludge and carbon deposits
- Non-foaming
- Reduced oil carry-over
- Reduced vapor pressure
- Fewer air filter changes
- Extended oil separator service intervals
- Reduced component wear
- Improved compressor efficiencies
- Less downtime
- Improved compatibility with oil seals, paints and plastics

Low vapor pressure means less lubricant is vaporized and carried downstream from the compressor. This leads to fewer problems caused by oil carry-over to air tools, instruments or manufactured goods. It can also lead to fewer air filter changes and less oil that might be removed by air/oil separators.

H-32, H-46 and H-68 are designed for use in oil-flooded rotary vane and screw type compressors. Because the lubricant is injected directly into the airstream of these compressors, superior lubricant oxidation and thermal stability is required to minimize the deposits, lacquer and sludge build-up especially in the heat exchangers. Less deposits result in reduced component wear, improved compressor efficiency and less downtime needed to change the lubricant and replace parts.

H-100 is designed for both crankcase and cylinder lubrication in reciprocating compressors. Its superior oxidation and thermal stability provide reduced carbon build-up on discharge valves, resulting in lower maintenance costs and less downtime. Its low volatility reduces the hazard of compressor fires and/or explosions and improves compressor efficiency.

<u>Typical Properties</u>	<u>H-32</u>	<u>H-46</u>	<u>H-68</u>	<u>H-100</u>
ISO Grade	32	46	68	100
SAE Grade	20	20	30	50
Viscosity, ASTM D-445				
cSt @ 40C	31.2	45.4	66.8	101.5
cSt @ 100C	5.8	7.7	10.3	14.3
cSt @ 18C	870	1370	2200	3500
cSt @ -29C	2500	4000	6200	10700
Viscosity Index	130	138	141	144
Pour Point, F	-70	-65	-55	-45
Flash Point, F	480	500	520	540
Fire Point, F	510	530	550	570
Autoignition Temperature, F	750	750	750	750
Rust Test, ASTM D\665 A & B	Pass	Pass	Pass	Pass
Conradson Carbon Residue, %	<0.01	<0.01	<0.01	<0.01
Demulsibility, ASTM D-1401				
min. to 0 ml emulsion @ 130 F	15	30	30	45
4-Ball Wear Test, ASTM D-4172				
1200 rpm, 40 kg, 167 F, 1 hr				
scar diameter, mm	0.4	0.4	0.4	0.4