



INDUSTRIAL HERCULES SYNPOE



DESCRIPTION

HERCULES SYNPOE is a superior quality synthetic ester based fluid ,specially formulated for reciprocating air compressors, heavy duty turbochargers and vacuum pumps operating in extreme high temperature conditions. Enhanced with zinc-free antiwear additives, offers exceptional flow characteristics, anti-corrosive protection and optimum performance in extreme working conditions for long drain intervals.

APPLICATIONS

HERCULES SYNPOE ISO 100 is ideal for the lubrication of single and multi-stage reciprocating air compressors that continuously operating under high pressures and of air discharge temperature up to 200°C where vital requirement is the minimal deposit formation.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Outstanding detergency ability.	Critical parts of the compressors are kept exceptionally clean. Compressor efficiency is improved.
High viscosity index and low volatility tendency.	Reduced possibility of fires and explosion, longer machine life.
Excellent cold friction characteristics	Ensure a valid start even in very low temperatures Reduced power consumption.
Excellent oxidation resistance	Extended oil drain intervals
Miscible with mineral air compressors oils Compatible with most common seal materials used in compressors SEB5, SE70	Wide range of applications; reduction of leaks.

PHYSICAL-CHEMICAL CHARACTERISTICS

HERCULES SYNPOE	METHOD	ISO 100
Density at 15°C, g/cm ³	ASTM D1298	0,985
Viscosity, Kinematic (cSt) 40 ⁰ C	ASTM D445	100
Viscosity, Kinematic (cSt) 100 ⁰ C	ASTM D445	10.2
Viscosity index	ASTM D2270	80
Flash point, COC, °C	ASTM D92	244
Demulsibility , min	ASTM D1401	30
Pour point, °C	ASTM D97	-42
FZG (A/8.3/90)	DIN 51354	>12
Copper corrosion	ASTM D130	1a

The above mentioned characteristics represent mean values.

SPECIFICATIONS

DIN 51506 VDL; ISO 6743-3 (ISO-L-DAA, ISO-L-DAB, ISO-L-DAC)