



HERCULES

AIR COMPRESSOR LUBRICANT

DESCRIPTION

HERCULES series are superior quality lubricants formulated with special additives and highly refined base oils for high-pressure air compressors. They fully meet the strictest requirements of DIN 51 506, Category VD-L, covering the operating at compression temperatures up to 220°C. They keep pipes, vanes and heat exchangers clean from hazardous carbon deposits, thus reducing maintenance cost. Inferior quality oils could quickly break down and leave hard deposits in the compressor and discharge system.

APPLICATIONS

HERCULES series are suitable for the lubrication of stationary and mobile single or multistage reciprocating air compressors operating up to 220°C. Hercules viscosity grades 32 and 46 can be also used for rotary oil-flooded screw air compressors, as well as for centrifugal air compressors that require oils with good oxidation stability and enhanced antirust ability. Higher viscosity grade as 100 is also suitable for lubrication of drip-feed vane-type air compressors. Additionally, Hercules oils are suitable for circulation systems of plain and rolling bearings operating at high temperatures.

PROPERTIES - BENEFITS

PROPERTIES	BENEFITS
Exceptional protection against rust and corrosion	Enables long service life . Reduced maintenance cost
Outstanding high temperature stability	Low deposit-forming tendency in valves and air discharge system. Safety during operation
Fortified with foam inhibitors. Rapid de-aeration .	Smooth and economical operation.
Superior demulsibility	Prevents accumulation of foam layer in the crankcase
Compatible with seal materials .	Wide range of application.

PHYSICAL CHARACTERISTICS

HERCULES	METHOD	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
Density at 15°C, g/cm ³	ASTM D1298	0,876	0,878	0,880	0,886	0,890
Viscosity, Kinematic, (cSt) 40 °C	ASTM D445	32	46	68	100	150
Viscosity, Kinematic, (cSt) 100°C	ASTM D445	5,3	6,7	8,6	11,1	14,6
Viscosity index	ASTM D2270	100	98	97	95	95
Flash point, COC, °C	ASTM D92	210	228	240	256	260
Pour point, °C	ASTM D97	-15	-15	-12	-12	-12
Emulsion test , min	ASTM D1401	10	20	20	20	20
Copper corrosion	ASTM D130	1b	1b	1b	1b	1b
Foam test, ml	ASTM D892	0-0-0	0-0-0	0-0-0	0-0-0	0-0-0

The mentioned characteristics represent mean values

SPECIFICATIONS

DIN 51506 VD-L, ISO L-DAA, L-DAB, L-DAG, L-DAH