



Product Data

Tribol CS 1555

Synthetic Compressor Oils

Description

Castrol Tribol™ CS 1555 compressor oils were specially developed for oil lubricated screw compressors. They exceed the requirements of the DIN 51506 specification for VDL type compressor oils.

Tribol 1555 series are formulated using polyalphaolefin (PAO) base oils and advanced technology additive systems.

Application

Tribol CS 1555 may be used in all types of oil lubricated compressors such as screw-type, rotary vane and turbo compressors. They may be used for the compression of air as well as inert gases and hydrocarbon gases.

Advantages

- Extremely low tendency to form carbon deposits, which depending on operating conditions promotes longer valve life and safer operating conditions as well as considerable decrease in fire and explosion hazards.
- Reduced maintenance costs are achieved through a considerable increase of service life and reduced downtime periods.
- Compatibility with most commonly used seals and coating materials means no additional changeover cost through change of seals or hose connections.
- Increased oxidation stability and corrosion stability, increased life of lubricants and equipment.
- Excellent viscosity-temperature characteristics when compared to mineral oil based compressor oils which allows start-up at low temperatures and enables a sufficient lubricant film at high temperatures.
- The excellent air release properties and water separation abilities promote higher operating efficiency.
- Tribol CS 1555 oils exceed the requirements to be met by DIN 51506, VDL-HC oils.

Typical Characteristics

			CS 1555/32	CS 1555/46
ISO Viscosity Grade	-	-	32	46
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	830	840
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	32	46
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	6.0	7.9
Viscosity Index	ISO 6614	-	135	140
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>240/>464	>240/>464
Pour Point	ISO 3016 / ASTM D97	°C/°F	-60 /-76	-54/-65
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	minutes	<2	<4
Water Separation @ 54°C / 129°F (40/37/3)	ISO 6614 / ASTM D1401	minutes	10	15
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	9	9
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0	10/0

Subject to usual manufacturing tolerances.

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