



Tribol™ CS 1555 Range

Synthetic compressor oils

Description

Castrol Tribol™ CS 1555 (previously called Tribol™ 1555) is a range of compressor oils specially developed for oil lubricated screw compressors. They exceed the requirements of the DIN 51506 specification for VDL type compressor oils.

The Tribol CS 1555 Range is formulated using synthetic 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

Tribol CS 1555 offers the following advantages when compared to more conventional compressor oils:-

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

Additional Information

Viscosity selection should always be based on recommendations of compressor manufacturers.

Tribol CS 1555 is miscible with mineral based oils. However, because of the higher coking tendency of mineral oil based products, it is recommended to remove mineral oil residues to maximise the product performance.

Typical Characteristics

Name	Test Method	Units	1555/32	1555/46	1555/68	1555/100
ISO Viscosity Grade	-	-	32	46	68	100
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	830	840	840	840
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	32	46	68	100
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	6.0	7.9	10	14
Viscosity Index	ISO 2909 / ASTM D2270	-	135	140	140	145
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	>240/ 464	>240 / 464	>240/ 464	>240/ 464
Pour Point	ISO 3016 / ASTM D97	°C/°F	-60/-76	-54/-65	-51/-60	-48/-54
Air Release @ 50°C / 122°F	ISO 9120 / ASTM D3427	min	1	1	1	4
Water Separation @ 54°C / 129°F (40/37/3)	ISO 6614 / ASTM D1401	min	10	10	10	10
FZG Gear Scuffing test - A/8.3/ 90	ISO 14635-1	Failure Load Stage	9	9	9	9
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0	10/0	10/0	10/0
Foam Sequence II - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0	10/0	10/0	10/0
Foam Sequence III - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0	10/0	10/0	10/0
DIN Specification	DIN 51506	-	VDL 32	VDL 46	VDL 68	VDL 100

Subject to usual manufacturing tolerances.

This product was previously called Tribol 1555 Range. The name was changed in 2015.

Tribol™ CS 1555 Range

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