



Product Data

Castrol Tribol 1555

Synthetic compressor oils

Description

CASTROL TRIBOL™ 1555 compressor oils were especially developed for oil lubricated screw compressors. They exceed the requirements to be met by compressor oils (VDL) according to DIN 51506.

- CASTROL TRIBOL 1555 are manufactured from polyalphaolefins using advanced technology additive systems.
- CASTROL TRIBOL 1555 are available in the ISO viscosity grades 32, 46, 68 and 100.

Application

- CASTROL TRIBOL 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 towards carbon deposits, longer life of valves and safer operating conditions as well as considerable decrease of fire and explosion hazards.
- Reduced maintenance costs are achieved through a considerable increase of service life and reduced downtime periods.
- Compatibility with virtually all seals and coating materials. No additional changeover cost through change of seals or hose connections. No changeover problems in cases where mineral oils were used previously. Because of higher coking tendency of mineral oils, it is however, recommended to remove mineral oil residues to fully utilize all benefits of CASTROL TRIBOL 1555.
- Increased oxidation stability and corrosion stability, increased life of lubricants and equipment.
- Excellent viscosity-temperature characteristics allow start-ups at lowest temperatures because of the adapted viscosity. Creates a sufficient lubricant film at high temperatures.
- Excellent wear protection even under extreme operating conditions (FZG scoring load stage > 10).
- The excellent air release properties and water separation abilities provide for higher operating efficiency.
- CASTROL TRIBOL 1555 oils exceed the requirements to be met by DIN 51506, VDL-HC oils.

Typical Characteristics

Test	Method	Unit	Value			
			1555/32	1555/46	1555/68	1555/100
CASTROL TRIBOL® 1555	-	-	1555/32	1555/46	1555/68	1555/100
ISO viscosity grade	DIN 51519	-	32	46	68	100
Density at + 15°C	DIN 51757	kg/m ³	840	840	850	860
Viscosity at + 40°C	DIN 51366	mm ² /s	32	46	68	100
at + 100°C			5.9	7.3	10.3	13.7
Viscosity index	ISO 2909	-	130	137	137	138
Flash point	DIN ISO 2592	°C	> 240			
Pour point	DIN ISO 3016	°C	-60	-54	-48	-42
Air release properties, 50°C	DIN 51381	sec.	< 30	< 30	< 30	< 60
Demulsibility, 40-40-0	ISO 6614	min.	< 10			
FZG test (A/8. 3/90)	DIN 51354	-	-	> 10	> 10	> 10
Scoring load stage				> 10	> 10	> 10
Foam test	ISO 6247	ml	10/0			
Sequence I			10/0			
Sequence II			10/0			
Sequence III						
DIN specification	DIN 51506	-	VDL 32	VDL 46	VDL 68	VDL 100

1 mm²/s $\hat{=}$ 1cSt

Subject to usual manufacturing tolerances

Additional Information

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

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