



## 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.

### **APPLICATIONS**

- 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  $\geq 10$ ).
- 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.

### **NOTES FOR USE**

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

Tribol 1555  
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Die technischen Daten sind Durchschnittswerte, die jedoch innerhalb der festgelegten Spezifikation liegen. Diese Angaben entsprechen umfangreichen Prüfungen und Praxiserfahrungen. Bei der Vielfalt der Anwendungen kann daraus keine Verbindlichkeit für die Bewährung in jedem Einzelfall hergeleitet werden. Praxiserprobungen empfohlen. Änderungen der Zusammensetzung bleiben Vorbehalten, gegebenenfalls in Absprache mit dem Kunden. Weitere Produkt-Informationen sind bei der Anwendungstechnik der Deutsche BP Aktiengesellschaft zu erfragen.

Deutsche BP AG – Industrial Lubricants & Services, Erkelenzer Str. 20, 41179 Mönchengladbach  
Tel: +49 (0)2161 909-30 Fax: +49 (0)2161 909-481

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## Technical data

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

1 mm<sup>2</sup>/s  $\hat{=}$  1cSt

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