



Tribol™ CS 1750 Range

Synthetic Blend Compressor Oils

Description

Castrol Tribol™ CS 1750 (Previously named Tribol™ 1750) synthetic blend compressor oils are a proprietary blend of mineral oil and synthetic ester plus advanced additives. They provide excellent lubricity and antiwear protection, exceptional oxidation resistance, and superior corrosion protection.

Application

Tribol CS 1750 synthetic blend compressor oils are intended for use in stationary flooded rotary screw compressors and many portable flooded rotary screw compressor applications. Additionally, Tribol CS 1750 is formulated for use in other types of rotary compressors (vane / lobe) and reciprocating compressors (crankcase and cylinders). Although specifically formulated for use in air compressors, Tribol CS 1750 synthetic blend compressor oils may also be used in various compressed process gas applications.

Tribol CS 1750 synthetic blend compressor oils may be used to lubricate axial flow, barrel type and integral gear driven centrifugal compressors, where extended oil drain cycles and improved mechanical component life is desired.

Tribol CS 1750 synthetic blend compressor oils may be used in numerous non-compressor applications such as bearings or enclosed gear drives that require the use of non-EP oils.

Advantages

- Exceptional oxidation resistance minimizes varnish and carbonaceous residues on compressor components and reduces the potential of ingested contaminant buildup
- Superior rust, corrosion, and antifoam protection provides optimum compressor performance under severe operating conditions
- High viscosity index allows use over a broader temperature range than conventional mineral based or ester based compressor lubricants
- Low volatility reduces oil carry over and improves air/oil separator efficiency in flooded rotary compressors

Typical Characteristics

Name	Method	Units	CS 46	CS 68
Specific Gravity @ 15°C / 59°F	ASTM D1298 / ISO 3675	-	0.90	0.90
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	46	68
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	7.2	9.3
Viscosity Index	ASTM D2270 / ISO 2909	-	116	114
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	254 / 490	271 / 520
Fire Point	ASTM D92 / ISO 2592	°C/°F	274 / 525	299 / 570
Pour Point	ASTM D97 / ISO 3016	°C/°F	-38/-36	-26/-15
Carbon residue - Conradson test	ASTM D189 / ISO 6615	% wt	0.07	0.07
Acid Number	ASTM D974 / ISO 6618	mgKOH/g	0.15	0.15
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1800 rpm / 1 hr)	ASTM D2266	mm	0.40	0.40
Falex Pin & Vee Block test - Antiwear properties	ASTM D 2670-10	Teeth Wear (number)	+5	+4
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	11	11

Subject to usual manufacturing tolerances.

This product was previously named Tribol 1750. The name changed in 2015

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