

Goldenstone® ROLON F

Technical Data Sheet (TDS) Industrial Gear Oils

Description and Application

GOLDENSTONE® ROLON F oils are formulated with an appropriate selection of high quality solvent refined and hydrotreated lube base stocks blended with an ashless sulfur-phosphorus type additive package that delivers a high level of micropitting resistance in addition to high EP protection and thermal stability.

The oils of series **GOLDENSTONE® ROLON F** are recommended for application in heavy duty and high temperature circulating systems for long-term service. These oils ensure enhanced metal surface protection against micro pitting corrosion which makes them especially suitable for speed reducers ranging from the small motor-reducers of less than 1 kW power to the big powerful units used on metal rolling mills, cement mills and also in hoist mechanisms in mines.

GOLDENSTONE® ROLON F are recommended for lubrication of closed gear drives (reducers), chain (gear) drives, chain wheels and sprockets, plain and rolling bearings, slide ways and flexible connections/couplings, operated at normal to elevated temperatures. Moreover, **GOLDENSTONE® ROLON F** oils are also recommended for application in low to medium pressure hydraulic systems for which the dependable rust and corrosion protection is of crucial importance.

Benefits

- Outstanding micropitting resistance
- Excellent thermal stability and resistance to sludging
- Effective water separation and foam control across a spectrum of temperatures
- Compatible with a wide range of elastomer materials
- Superior bearing protection
- Proven paints compatibility

Specifications

ISO 3448	VG 100, 150, 220, 320, 460
ISO 6743/6	ISO-L-CKD
ISO 12925	CKC/CKD
DIN 51517	part 3, CLP
Siemens MD	Revision 14 Flender gearboxes
US Steel	224
GM	LS 2 EP Gear oil
AGMA	9005-E02

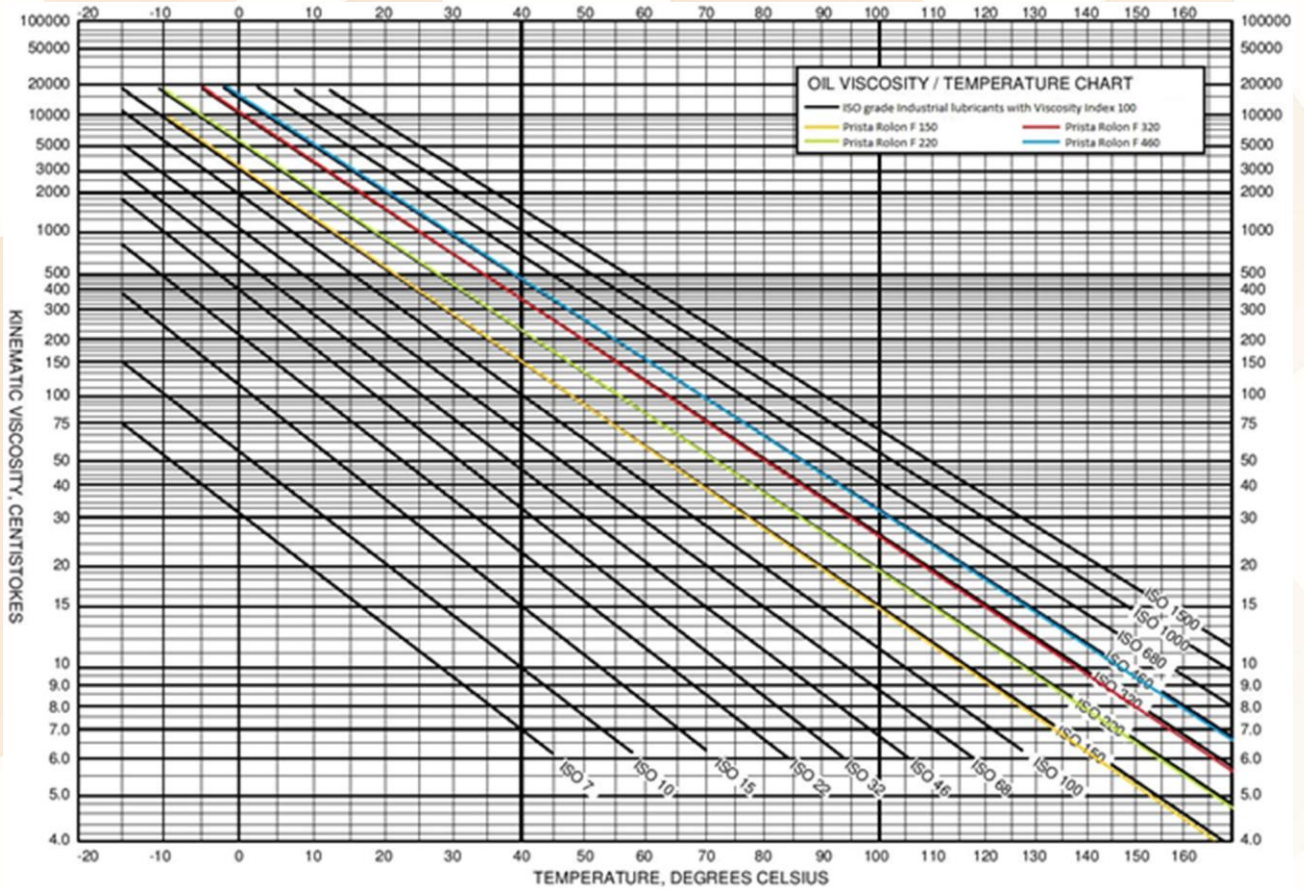
Typical Characteristics

Parameter	Test Method	Typical Value				
		100	150	220	320	460
Density at 20°C, g/ml	EN ISO 3675	0.884	0.889	0.893	0.895	0.898
Kinematic viscosity at 40°C, mm ² /s	EN ISO 3104	100	150	220	320	460
Kinematic viscosity at 100°C, mm ² /s	EN ISO 3104	10.8	14.9	19.1	24.4	31.0
Viscosity index	ISO 2909	98	98	97	97	96
Temperature at which the oil has:	Extrapolation					
- Kinematic viscosity 25 mm ² /s, °C		75	81.6	90.3	98.5	106.7
- Kinematic viscosity 2000 mm ² /s, °C		0	3.8	9.1	14.2	19.4
- Kinematic viscosity 5000 mm ² /s, °C		-8.0	-5.4	0.2	4.3	9.3
Flash point, COC, °C	EN ISO 2592	230	236	240	248	258
Pour point, °C	ISO 3016	-21	-21	-18	-15	-12
TAN, mgKOH/g	ISO 6618	0.64				
Copper strip corrosion, 3h, 100°C	EN ISO 2160	1a				
Water separability -time to 3 ml emulsion, min	ISO 6614	10	10	10	15	20

Parameter	Test Method	Typical Value
FZG EP Wear Test (A 8.3/90) - Failure Load Stage	DIN 51354-2	12+

Important note: Typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

V-T DIAGRAM



Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

www.goldenstoneoils.com

Packages

210L, Bulk

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