

IGO

Mineral oil based industrial gear oil

Description

IGO is series of high quality lead-free extra-pressure lubricants for the use of all types of closed system industrial gears ranging from normal to heavy-duty applications. The lubricants are formulated from base oils with a high viscosity index with an optimum balance of additives to provide good protection against corrosion and wear, provide high oxidation resistance, and prevent the formation of foam.

Applications

IGO can be used for all types of closed systems industrial gears in conditions ranging from normal to heavy-duty operation with high loads requiring this type of lubricant. **IGO** is also suitable for use in circulatory lubrication system, spraying or misting.

Specification Meets

IGO meets the DIN 51 517 Part III CLP, US Steel 224, ISO 12925-1 CKD, AGMA 9005 - D94 EP, CINCINNATI MILACRON, DAVID BROWN, SEB 181226 type CLP.

Advantages

- ▶ Good rust and corrosion protection
- ▶ Good seal compatibility
- ▶ Excellent extreme-pressure & anti-wear properties
- ▶ Very good resistance to oil oxidation & degradation
- ▶ Very good resistance to foaming and emulsion formation

Typical Data of IGO

Characteristics	Unit	IGO							Test Method
		68	100	150	220	320	460	680	
Color		L 3.0	L 3.5	L3.5	L 3.5	L 3.5	L3.5	L 3.5	ASTM D 1500
Density @ 15 °C	kg/L	0.8740	0.8812	0.8885	0.8930	0.8990	0.9041	0.9070	ASTM D 4052
Viscosity @ 40 °C	cSt	68.10	99.3	149.7	227.5	331.3	461.1	672.83	ASTM D 445
Viscosity @ 100 °C		5.52	11.13	14.75	19.30	24.17	30.74	44.62	
Viscosity Index		102	97	98	96	96	97	117	ASTM D 2270
Flash Point (COC)	°C	235	240	246	244	250	256	246	ASTM D 92
Pour Point	°C	-15	-24	-15	-12	-15	-9	-9	ASTM D 97
Sequence I	mL	10/0	10/0	10/0	0/0	10/0	0/0	10/0	ASTM D 892
Sequence II		0/0	0/0	10/0	10/0	10/0	10/0	10/0	
Sequence III		0/0	0/0	0/0	0/0	10/0	0/0	0/0	
FZG, Scuffing Load Capacity, Fail Stage		12	12	12	12	12	12	12	ASTM D 5182
Timken, OK Load	lbs	60	60	60	60	60	60	60	ASTM D 2782
Four-Ball EP:	kgf								ASTM D 2783
Load Wear Index		45	45	45	45	45	45	45	
Weld Point		250	250	250	250	250	250	250	

* the typical characteristic mentioned represent mean values