



INDUSTRIAL GEAR OILS – EXTREME PRESSURE (IGO EP) 68,100,150,220,320,460,680 AND 1000

DESCRIPTION

Industrial Gear Oils – Extreme Pressure (IGO EP) have been specially designed for lubricating enclosed gears operating under severe conditions. These oils are however not compatible with oils based on polyglycols.

APPLICATION

- Level and spur gears
- Bearings and gear couplings
- Worm gears

PERFORMANCE

Meets or exceeds:

International specifications

- DIN 51517 PART 3 → GROUP CLP
- ISO 12925-1 CKD
- AGMA 9005 - D94 EP
- CINCINNATI MILACRON
- DAVID BROWN
- AISI 224
- SEB 181226
- FLENDER

ADVANTAGES

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

TYPICAL PHYSICAL CHARACTERISTICS

PARAMETER	METHOD	UNITS	IGO 68	IGO 100	IGO 150	IGO 220	IGO 320	IGO 460	IGO 680	IGO 1000
Density @ 15°C	ISO 3675	Kg/m ³	0.885	0.888	0.892	0.893	0.899	0.903	0.920	0.937
Viscosity@ 40°C	ISO 3104	Mm ² /s	68.1	107.0	153.4	216.9	319.1	452.2	665.6	1000.0
Viscosity@ 100°C	ISO 3104	Mm ² /s	8.7	11.8	14.8	18.5	23.7	29.9	34.5	43.5
Viscosity Index	ISO 2909		99	98	96	95	93	95	82	80
Open cup flash point	ISO 2592	°C	230	233	227	270	264	256	258	244
Pour point	ISO 3016	°C	-24	-21	-21	-21	-15	-12	-12	-9
FZG A/8,3/90	DIN 51 354/2	Fail stage	>13	>13	>13	>13	>13	>13	>13	>13
FZG micropitting	FVA 54	Fail stage	-	-	-	10+	10+	10+	10+	10+
GFT class	-		-	-	-	High	High	High	High	high

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