GEAR OILS

SPECIFICATIONS

- AGMA 9005-E02
- DIN 51517 PART 3
- US STEEL 224
- DAVI D BROWN S 1.53 101

DESCRIPTION

Torqgear series are industrial high quality oils for circulating or splash systems of enclosed gears. They have excellent extreme pressure and high loaded properties that give exceptional protection against wear .Torqgear series are formulated from high refined mineral oils and selected additive system to provide strong oxidation resistance and protection against corrosion and rust even owed in sea water, in addition ,these oils own good water separation and anti-foam properties.

FEATURES AND BENEFITS

Torqgear lubricants are used in a very wide variety of application in virtually all industrial sectors as well as in marine units. They are the product of choice for many users, worldwide, based on their outstanding performance, equipment protection and application versatility.
Key Benefits are :

- High load capacity and wear control to extend material life.
- Good oxidation and degradation resistance for long oil charge life.
- Excellent rust and corrosion resistance, for better equipment protection maintenance coasts reduction.
- Excellent foam resistance and good demulsibility characteristics permit the oil to work well in systems contaminated with small amounts of water.

OLA Energy Services - JLT Jumeirah Business Centre 5, 12th Floor Jumeirah Lake Tower, Cluster W P.O. Box 340557 - Dubai, UAE

APPLICATIONS

Torqgear lubricants are recommended for industrial spur, helical and bevel enclosed gears with circulation or splash lubricant, operating at bulk oil temperatures up to 100°C they are particularly suitable for gear set working under heavy or shock loads. Minimum bulk oil temperatures are governed by the pour point of the oil. Torqgear oils find broad application in marine gearing applications. Non gear applications include plain and rolling contact bearings-especially highly loaded and slow speed. Specific applications include:

- Engrenages industriels pour convoyeurs, agitateurs, sécheurs, ventilateurs, pompes, presses, extrudeuses et autres applications sévères.
- Applications marines.

CARACTÉRISTIQUES TYPIQUES

Torqgear series	Test Method	150	220	320	460
Grade ISO		150	220	320	460
Viscosity @ 40°C cSt	ASTM D 445	154	220	324	468
Viscosity @ 100°C cSt	ASTM D 445	15.8	19.5	24	31
Viscosity Index	ASTM D 2270	98	98	94	95
Pour Point°C	ASTM D 97	-21	-15	-15	-15
Flash Point°C	ASTM D 92	245	255	265	275
Density @ 20°C kg/l	ASTM D 4052	0.89	0.89	0.89	0.89
FE 8 wear test, Roller wear, mg	DIN 51819-3	3.3	3.3	3.3	3.3
Timken OK Load, lb	ASTM D 2782	70	70	70	70
4-Ball EP test, Weld load Load Wear Index ,kgf	ASTM D 2783	240 45.1	240 45.1	240 45.1	240 45.1
FZG Scuffing,fail stage	DIN 51534	12+	12+	12+	12+
Rust protection,Sea Water	ASTM D 665	Pass	Pass	Pass	Pass
Copper Strip Corrosion,3 hrs @ 100 °C	ASTM D 130	1B	1B	1B	1B
Demulsibility,Time to 3 ml emulsion, minutes @ 82 °C	ASTM D 1401	Pass	Pass	Pass	Pass
Foam Test, Tendency/ Stability, ml/ml Sequence I	ASTM D 892	0/0	0/0	0/0	0/0
Foam Test, Tendency/ Stability, ml/ml Sequence II	ASTM D 892	10/0	10/0	10/0	10/0

The characteristic values appeared on the top in the table are typical values given only as an indication.

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HEALTH AND SAFETY

This product used as our recommendation for intended application not expected to produce any particular risk. A safety data sheet of this product is available for a simple request from your sales contact office or via internet. In case of used oil elimination, please respect the regulation and protect the environment.

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