

## DIVYOL GEAR OILS XD

### Applications:

Divyol Gear Oils XD is a range of oil blends specially formulated for the lubrication of spur, helical, bevel gear and bearing in industrial equipment, as well as ships with heavy load and impact load under harsh environment and weather conditions. These oils are recommended for applications that require long service life, get little maintenance or have a very difficult maintenance system. They are widely applied in steel, cement, coal, power, petrochemical and papermaking areas, such as the reduction gearbox of conveyor, coal mill, extruder, blender mixer and other heavy equipment industry gearbox. These oils are also suitable for marine propeller, deck winch, crane, steering gear, etc., the reducer of excavator, dragline, electric-wheeled self-dumping trucks and other equipment in open-pit coal mines.

### Standards:

Divyol Gear Oils XD meet the performance standards of DIN 51517 Part III (2014); ISO:12925-1 Type CKC/CKD; AGMA EP 9005-EO2 (EP); AISE (US STEEL): 224; David Brown S1.53.101 and Flender Gear Boxes – REVISION 9; and IS:8406/93.

### Advantages:

The anti-wear properties of Divyol Gear Oils XD include resistance to oxidation, foam buildup, sludge and varnish formation. Their outstanding thermal stability reduces the formation of oxides at high temperatures. These oils have superior demulsibility and minimize emulsion formation in circulating systems which are usually subject to contamination with large quantities of water. They also have excellent seal compatibility. These properties combine to effectively protect gear system components against wear, rust and corrosion, even under severe high or low temperatures. They also sustain load carrying capacity and their unique anti-micro-pitting ability for gear sets reduces the risk of premature damage.

### Typical properties:

Sr. No.	Characteristics	Test Method	Divyol Gear Oils XD			
			150	220	320	460
1	Appearance	Visual	Bright and clear	Bright and clear	Bright and clear	Bright and clear
2	Kinematic viscosity at 40 °C, cSt min.	ASTM D 445	150	220	320	460
3	Viscosity index, min.	ASTM D 2270	95	95	95	95
4	Flash point, COC, °C, min.	ASTM D 92	230	230	240	250
5	Pour point, °C max.	ASTM D 97	-6	-6	-6	-6
6	Timken EP Test, Ok load, lbs min.	ASTM D 2782	75	80	80	80
7	FZG, pass load stage	FVA 54	12	12	12	12
8	Copper corrosion 3 hrs. at 121 °C	ASTM D 130	1b	1b	1b	1b
9	Rust protection, sea water	ASTM D 665	Complies	Complies	Complies	Complies
10	Demulsibility of EP oils, free water, mL	ASTM D 2711	Complies	Complies	Complies	Complies
11	Foaming characteristics, seq. II, tendency/stability, mL/mL	ASTM D 892	Complies	Complies	Complies	Complies

The above properties are typical values and do not constitute specification of the product.

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