

Gear Oils XS

Description :

Divyol Gear Oils XS series gear oils are fully synthetic heavy-duty industrial gear oils formulated with next generation additives to provide outstanding protection for gears and bearing operating under severe conditions. These oils have exceptional oxidation, thermal and low temperature properties and high Viscosity Index which permits wide operating temperature range and also resist scuffing wear and provide high level of resistance against micro pitting fatigue.

Performance Level : Meets

DIN 51517-Part 3,
Flender GEAR BOXES-REVISION 9,
Flender GmbH,
Chinese GB 5903 L-CKD/L-CKD,
Danieli 0.000.001 CKC,
David Brown S1.53.101 Type E,
DIN 51517 Part 1, 2 & 3,
Fives Cincinnati EP Gear Oil Lubricant,
GM LS 2 EP Gear Oil,
Indian Standard IS 8406,
ISO 12925-1 Type CKC/CKD,
DAVID BROWNS1.53.101,
Renk 36011-11,
Schaeffler Step 1 to 4,
Schuler Pressen DT 55055 001.2013,
Renk Augsburg ZAN36011,
AGMA EP 9005-EO2,
GE D50E35,
ZF TE ML 04H,
US Steel 224,
SMS Group SN180-3,
Sumitomo DriveTechnologies BUI-TEC-2009-4001 H.

Application :

Divyol Gear Oils XS series are recommended for gear boxes where high Temperature performance coupled with micropitting resistance are required. These oils are compatible with most sealants and bearing materials used in Industrial applications and recommended for use in heavily loaded step up Spur / Helical / Herringbone / Bevel / Planetary gear boxes. This oils can replace Mineral based Gear Oils leading to lower temperature operations and Efficiency Improvements.

Performance Benefits :

- Unique anti-micro-pitting ability for gear sets, reducing the risk of premature damage.
- Outstanding thermal property, reduce the formation of oxides at high temperatures. Excellent protection of the gear under severe high or cold temperatures.
- Excellent seal compatibility.

Typical Physical Characteristics :

Sr. No.	Characteristics	Test Method	Gear Oils XS				
			150	220	320	460	680
1	Kinematic viscosity @ 40°C, cSt	ASTM D 445	150	220	320	460	680
2	Kinematic viscosity @ 100°C, cSt	ASTM D 445	22.2	30.4	36	54.1	75.5
3	Viscosity index	ASTM D 2270	152	154	155	164	168
4	Flash point, COC, °C	ASTM D 92	250	250	260	260	260
5	Pour Point, °C	ASTM D 97	Minus 46	Minus 42	Minus 39	Minus 36	Minus 36
6	Total Acid Number, mg KOH/g	ASTM D 664	0.9	0.9	0.9	0.9	0.9
7	4 Ball EP Test, kgf, Weld Load	ASTM D 2783	250	250	250	250	280
8	Scar Wear Diameter, 1h/40kg., mm.	IP 239	0.3	0.3	0.3	0.3	0.3
9	FZG A/8.3/90, Load Stage	DIN ISO 14635-1	14 Pass	14 Pass	14 Pass	14 Pass	14 Pass
10	Copper Strip corrosion @121 °C for 3 Hrs.	ASTM D 130	1B	1B	1B	1B	1B
11	Rust Protection, Sea Water	ASTM D 665	Pass	Pass	Pass	Pass	Pass
12	Demulsibility of EP Oils, Free Water, ml.	ASTM D 2711	88	86	86	84	87
13	Foaming Characteristics, Tendency/Stability, Seq. II, ml/ml	ASTM D 892	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0