NEXUS LUBRICANT

Product Data Sheet

NEXUS GEAR LX

HIGH TEMPERATURE INDUSTRIAL GEAR OIL

Description

Nexus Gear LX offers significantly higher efficiency than a standard gear oil based on mineral oil, oil change intervals are 3 to 5 times longer, resulting in a lower oil temperature. **Nexus Gear LX** ensures long maintenance intervals, high efficiency and lasting component protection, even at the gear's performance limit. With special additives, **Nexus Gear LX** provide maximum protection against friction, wear and oxidation.

Applications

Nexus Gear LX is recommended for all types of heavily loaded gears including spur, bevel, helical and worm gears. However, for cost efficiency reason, it is recommended to be used for gears under high temperature, heavy load and other challenging working conditions.

Benefits

- Wide service temperature range (flash point more than 200^{o}C)
- Significantly longer oil change intervals as compared to conventional mineral oil (3 to 5 times longer)
- Maximum protection against wear, friction and oxidation
- Lower energy costs as a result of reducing friction

	LX68	LX100	LX150	LX220	LX320	LX460	LX680
ISO Viscosity Grade, ASTM D 2442	68	100	150	220	320	460	680
Density @ 20°C	0.895	0.895	0.905	0.915	0.925	0.93	0.935
Kinematic Viscosity @ 40°C/104°F, ASTM D 445	68	100	150	220	320	460	680
Kinematic Viscosity @ 100°C/212°F, ASTM D 445	8.33	11.5	14.7	19.2	23.5	31.5	37.1
Viscosity Index, ASTM D 2270	>120	>120	>120	>120	>120	>120	>120
David Brown Designation	2EP	3EP	4EP	5EP	6EP	7EP	9EP
Flash Point, ASTM D 92, COC, °C/°F	>220/428	>220/428	>220/428	>220/428	>220/428	>220/428	>220/428
Fire Point, ASTM D 92, COC, °C/°F	>270/518	>270/518	>270/518	>270/518	>270/518	>270/518	>270/518
Pour Point, ASTM D 97, °C/°F	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27
Timken OK Load, lbs	60	60	60	60	60	60	60
FZG Gear Test Failure Load Stage Pass	>10	>10	>10	>10	>10	>10	>10
Four Ball Wear Test – Wear Scar Diameter (300N / 1 hrs), DIN 51250-3B, mm	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Foam Sequence I – tendency / stability, ASTM D892, ml / ml	0/0	0/0	0/0	0/0	0/0	0/0	0/0

*Subject to usual manufacturing tolerances

Nexus Gear LX

20 Mar 2024