

PRODUCT DATA SHEET

INDUSTRIAL GEAR OIL

DESCRIPTION:

FLUX FX GEAR SP OIL is a high quality, EP automotive gear lubricant, manufactured using high quality mineral oils which are fortified with extreme pressure additives, containing sulphur-phosphorus compounds. It gives excellent chemical and thermal stability and possesses exceptional load carrying to provide reliable lubrication in application encountering extreme pressure and shock loading. It also has higher oxidation resistance capabilities, good demulsibility and low foaming tendency. This oil ensures a long service life even under severe gear shifting. FX SP Gear Oil is available in ISO viscosity grades 68, 100, 150, 220, 320, 460, 680 and 800.

APPLICATION:

FX GEAR SP OIL are recommended for all heavy duty enclosed gear drives with circulation or spray lubrication systems requiring EP type oils. It is also recommended for chain drives, sprockets, plain & roller bearings, sliding surfaces, Spur, bevel, spiral bevel and planetary gearboxes Pump bearings Crankcase lubricant for high pressure mud or cement pumps, flexible couplings employing splash, circulation or spray lubrication systems requiring EP type oils.

PRODUCT BENEFITS:

- Good antifoam properties ensure.
- Strength for effective lubrication.
- The special sulphur phosphorus EP additive system provides good load carrying capacity to resist gear tooth wear and scoring.
- Extreme pressure additive helps to avoid metal-to-metal contact, reduce wear-tear and increase equipment life.
- High demulsibility helps water separation which reduces corrosion of gears and bearings.
- Excellent thermal stability and oxidation resistance.
- Protection of iron and bronze components against corrosion.

PERFORMANCE STANDARD:

FX GEAR SP oils meet AGMA standard 250.04, ASLE standard G-315, G-1000, G-1500, G2150, IS:8406-1993, DIN 51517 PART 3, US Steel requirement No. 222 and 224 and IPSS:1-09-003 specifications. FX GEAR SP 68, SP 100, SP 150, SP 220, SP 320, and SP 460 also meet Cincinnati Machines specifications No. P-63, P - 76, P - 77, P - 74, P - 59 and P-35 respectively.

Last update: 1st July, 2018

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TYPICAL CHARACTERISTICS:

PRODUCT TYPICAL	TEST METHODS	UNITS	TYPICAL CHEMICAL ANALYSIS					
SAE Grade			68	100	150	220	320	460
Kin. Viscosity @ 40°C,	ASTM D 445	cST	62 - 74	90 - 110	135 - 165	198 - 240	288 - 352	414 - 506
Viscosity Index, min.	ASTM D 2270	-	90	90	90	90	90	90
Flash Point, min.	ASTM D 92	°C	200	200	200	220	220	230
Pour Point, max.	ASTM D 97	°C	-6	-6	-6	-3	-3	0
Timken OK Load Kg. – min.		Kg	60	60	60	60	60	60
FZG Rig Test, failure Load Stage, min.		-	12	12	12	12	12	12
Rust Protection	ASTM D 665	-	Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion @ 100 °C for 3 Hrs. max.	ASTM D 130	-	1b	1b	1b	1b	1b	1b

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