

Syn Gear Oil

Full Synthetic Gear Oil

Features & benefits

- Outstanding EP protection
- Strong bearing protection
- Oxidation and thermal resistance
- Excellent water separation at high and low temperatures



Specifications

✓ Meets requirements ■ Suitable for use

Specification	Syn Gear 150	Syn Gear 220	Syn Gear 1000
AGMA 9005-F16 AS	✓	✓	■
DIN 51517-3	✓	✓	■
David Brown S1.53.101 Type M	✓	✓	-
Fives Cincinnati EP Gear Oils	✓	✓	-
GM LS 2 EP Gear Oil	✓	✓	-
ISO 12925-1:2018 ISO-L-CKC/CKD	✓	✓	■
AIST 224 (Formerly US Steel 224)	✓	✓	■

Typical results

Test Method	Syn Gear 150	Syn Gear 220	Syn Gear 1000
AGMA GRADE	4EP	5EP	8AEP
ISO GRADE	150	220	1000
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	152.0 20.1	219.1 26.7	973.8 84.4
VISCOSITY INDEX (D2270)	153	156	169
ASTM COLOUR (D1500)	1.0	1.0	1.0
DENSITY @ 15°C (D4052), kg/L	0.86	0.86	0.86
POUR POINT (D97), °C	-40	-39	-24
FLASH POINT (D93), °C	194	193	190
FOAM (D892) SEQUENCE I (mL/mL) SEQUENCE II (mL/mL) SEQUENCE III (mL/mL)	0/0 15/0 0/0	0/0 10/0 0/0	0/0 20/0 0/0



Syn Gear oils are premium heavy-duty, extreme-pressure (EP) for industrial gear sets and bearings.

Syn Gear oils are formulated with high-quality polyalphaolefin (PAO) base oils and premium additives, offering outstanding EP protection and load-carrying capacity to help protect gear surfaces operating where heavy loads and extreme pressures are present.

Syn Gear oils provide strong bearing protection to reduce downtime and extend equipment life. The robust additive system, in combination with PAO base oils, offers excellent oxidation and thermal resistance, helping to prevent fluid breakdown from oxidation and thermal stress.

Syn Gear oils will separate readily from water maintaining a stable lubricant film thickness.

Syn Gear oils are not recommended in worm gear applications.



Sizes & order codes

Size	Syn Gear 150	Syn Gear 220	Syn Gear 1000
18.9 L (5 US gal)	F0085740	F0085840	-
205 L (54.2 US gal)	F0071950	F0019650	F0037350
500 L (132 US gal)	F0019555	-	-

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to Dec 28, 2023.

www.irvingoil.com/lubricants 1.800.574.5823