

SYN GEAR & BEARING

Full Synthetic



Features & Benefits

- Outstanding load-carrying capacity and EP protection
- Superior bearing protection
- Prevents rapid oil degradation
- Micropitting prevention
- Excellent oxidation and thermal resistance
- Excellent water separation at high and low temperatures
- Extended oil drain intervals
- Sustainable gear oil solution

Specifications

■ Suitable for Use

Specification	68	150	220	460
AGMA 9005 F16 AS	■	■	■	■
DIN 51517 Part 1, 2, 3	■	■	■	■
David Brown S1.53.101 Type M, A & E	■	■	■	■
Fives Cincinnati EP Gear Oils	■	■	■	■
GM LS 2 EP Gear Oil	■	■	■	■
AIST 224 (Formerly U.S. Steel 224)	■	■	■	■
ISO12925-1 CKSMP	■	■	■	■

Typical Results

Test method	68	150	220	460
AGMA GRADE	2EP	4EP	5EP	7EP
ISO GRADE	68	150	220	460
VISCOSITY (D445)				
cSt @ 40°C	68.3	149.1	219.7	463.3
cSt @ 100°C	10.8	21.3	29.8	53.0
VISCOSITY INDEX (D2270)	148	168	176	180
POUR POINT (°C) (D97)	-30	-27	-27	-24
DENSITY @ 15°C (kg/L) (D4052)	0.85	0.84	0.84	0.85
FLASH POINT (°C) (D93)	196	195	194.5	190

Sizes & Order Codes

Size	68	150	220	460
18.9L Pail / 5 US gal	F0129540	F0129640	F0129740	F0129840
205L Metal / 54.2 US gal	F0129550	F0129650	F0129750	F0129850



SYN GEAR & BEARING oils are formulated with premium additives offering outstanding EP protection and load-carrying capacity to protect gears operating in harsh conditions.

SYN GEAR & BEARING oils have additional micropitting protection to keep bearings in optimal condition.

SYN GEAR & BEARING oils can operate effectively under wide operating temperatures and are utilized in various applications, increasing operational efficiency.

SYN GEAR & BEARING oils offer a reduced operating temperature compared to traditional synthetic or mineral gear oils. This extends the gear oil's life and increases the durability of the gearbox itself by preventing rapid oil degradation from increased temperatures and extending the drain intervals, reducing waste and aiding in sustainability.

SYN GEAR & BEARING oils will separate readily from water maintaining a stable lubricant film thickness.

SYN GEAR & BEARING should not be used in worm gear applications.



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

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

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

This data sheet replaces previous versions prior to 03-30-2022.

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