



# Syn Gear & Bearing

## Full Synthetic Gear and Bearing Oil

### Features & benefits

- Outstanding load-carrying capacity and EP protection
- Superior bearing protection
- Prevents rapid oil degradation
- Micropitting resistance
- Excellent oxidation and thermal resistance
- Excellent water separation at high and low temperatures



### 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)	■	■	■	■
ISO 12925-1 CKSMP	■	■	■	■

### Typical results

Test Method	68	150	220	460
<b>AGMA GRADE</b>	2EP	4EP	5EP	7EP
<b>ISO GRADE</b>	68	150	220	460
<b>VISCOSITY (D445)</b>				
cSt @ 40°C	68.3	149.1	219.7	463.3
cSt @ 100°C	10.8	21.3	29.8	53.0
<b>VISCOSITY INDEX (D2270)</b>	148	168	176	180
<b>DENSITY @ 15°C (D4052), kg/L</b>	0.84	0.84	0.84	0.84
<b>POUR POINT (D97), °C</b>	-39	-36	-36	-30
<b>FLASH POINT (D93), °C</b>	196	195	195	190

### Sizes & order codes

Size	68	150	220	460
18.9 L (5 US gal)	F0129540	F0129640	F0129740	F0129840
205 L (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 provide 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 cooling effect, lowering the operating temperature more than 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 separate readily from water, maintaining a stable lubricant film thickness.

**Syn Gear & Bearing** oils should not be used in worm gear applications.



Always consult your owner's manual for verification of fluid type and grade.  
 Check with sales associate for the latest product approvals and acceptable performance data.  
 Please note these are typical performance indicators and can change without notice.  
 This data sheet replaces previous versions prior to December 20, 2024.

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