



PRODUCT DATA

Castrol EP Gear Lubricant

Castrol EP Gear Lubricants are exceptional quality gear oils that are designed for severe duty applications that offer excellent gear protection and the possibility of extended drain intervals with periodic checks by Castrol's Oil Analysis Program. Castrol EP Gear Lubricants are formulated with selected base oils that are coupled with an extremely stable sulfur/phosphorous additive package that make them the ideal choice where AGMA EP type gear oils are recommended.

Features and Benefits

Castrol EP Gear Lubricant delivers:

- Excellent thermal and oxidation stability providing minimal viscosity increase and a stable Sulfur/phosphorus package at high temperatures.
- Superior demulsibility separating water readily where water contamination is present.
- Good corrosion, rust and antifoam protection reducing catalytic effects of corrosion and wear on various system metals.

Castrol EP Gear Lubricants provides longer equipment life, efficient gear operation, reduced maintenance costs, longer lubricant life, and excels in applications demanding superior U.S. Steel 224 performance.

Warranty and Protection Requirements

- Exceeds all manufacturer's warranty requirements for applications requiring an AGMA EP, USS 224, or DIN 51524 part 3 type gear oil.

Industry Specifications and OEM Approvals

- ANSI/AGMA Standard 9005-E02
- DIN 51517 Part 3
- U.S. Steel 224



Typical Properties*

Test	Method	Typical Results					
		68	150	220	320	460	680
ISO Grade		68	150	220	320	460	680
Viscosity at 40° C, cSt	ASTM D-445	65.8	159.3	229.3	342.1	479.2	672.6
Viscosity at 100° C, cSt	ASTM D-445	8.7	15.3	19.4	25.3	31.3	36.4
Viscosity at 100F, SUS	ASTM D-2161	339.7	837.4	1214	1823	2570	3649
Viscosity at 210F, SUS	ASTM D-2161	55.5	80.8	98.4	125.1	153.4	177.5
Viscosity Index	ASTM D-2270	105	97	96	96	96	88
Flash Point °C	ASTM D-92	215	223	215	226	225	229
Pour Point °C	ASTM D-97	-27	-18	-19	-15	-15	-12
Gravity, API	ASTM D-287	28.5	26.5	26.2	25.1	24.5	22.4
Specific Gravity @60F	ASTM D-1298	0.8844	0.8956	0.8973	0.9036	0.9071	0.9194
Pounds per Gallon	ASTM D-287	7.36	7.46	7.47	7.52	7.55	7.66
Timken OK Load, Lbs	ASTM D-2509	75	75	75	75	75	75

* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

Part Numbers and UPCs

ISO Grade (AGMA)	68 (2)	150 (4)	220 (5)	320 (6)	460 (7)	680 (8)
35 LB Pail Part No.	30237	30437	30537	-----	-----	-----
410 LB Drum Part No.	-----	30439	30539	30639	30739	30839
390 LB Drum Part No.	30239	-----	-----	-----	-----	-----
260 Gal. Tote Part No.	302347	304347	305347	306347	-----	-----
Bulk	30230	30430	30530	30630	-----	-----

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDSs are available upon request through your sales contact office, or via the Internet at www.castrol.com/us. This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment, return used oil to collection center.

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