



PRODUCT DATA

Castrol SYNTEC – Proven Power Technology

Castrol SYNTEC offers superior performance for the higher power and speeds in today's engines. Castrol SYNTEC's unique and proprietary formula helps your vehicle maintain maximum horsepower by reducing harmful deposit formation.

Features and Benefits:

Castrol SYNTEC delivers:

- An advanced additive package that neutralizes corrosive particles, preventing them from grouping together and forming power-robbing sludge.
- Stability and endurance under extreme conditions (heat, load, speed) that can cause conventional oils to break down.
- Superior engine protection that outperforms leading conventional and synthetic blend oils, passing severe industry torture tests.

Castrol SYNTEC exceeds the world's toughest industry protection standards.

Warranty and Protection Requirements:

- Exceeds engine manufacturer's warranty requirements for applications requiring ILSAC GF-5, GF-4 and GF-3 and/or API SN, SM and SL

Industry Specifications and OEM Approvals by Grade:

Specifications:	Castrol SYNTEC								
	0W-20	0W-30	5W-20	5W-30	5W-40	5W-50	10W-30	10W-40	20W-50
API SN	X		X	X		X	X	X	
SM	X		X	X		X	X	X	X
SL		X	X	X	X	X	X	X	X
SJ		X	X	X	X	X	X	X	X
ILSAC GF-5	X		X	X			X		
ILSAC GF-4	X		X	X			X		
ILSAC GF-3	X		X	X			X		
ACEA A1				X			X		
ACEA A3		X			X			X	X
ACEA A5				X			X		
ACEA B1				X			X		
ACEA B3		X			X			X	X
ACEA B4		X			X			X	X
ACEA B5				X			X		
Chrysler MS 6395			X	X			X		
Ford WSS-M2C153-H			X						
Ford WSS-M2C929-A				X					
Ford WSS-M2C930-A			X						
Ford WSS-M2C945-A			X						
Ford WSS-M2C946-A				X					
GM 6094M*				X			X		
BMW Longlife 01		X							
BMW LongLife 98					X				
GM-LL-A-025		X							
GM-LL-B-025		X							
Mercedes-Benz 229.1		X			X				
Mercedes-Benz 229.3		X			X				
Mercedes-Benz 229.5		X							
Porsche A40					X				
Subaru	X								
VW 505.00		X			X				
VW 502.00		X			X				

*meets performance

Also meets dexos1™ performance requirements in 5W-20 and 5W-30

dexos1™ is a trademark of the General Motors Company

Typical Properties:*

	Method	0W-20	0W-30	5W-20	5W-30	5W-40	5W-50
Viscosity @ 100C, cSt	ASTM D445	8.65	12.21	8.88	10.70	14.30	18.50
Viscosity @ 210F, SUS	ASTM D2161	54.59	67.22	55.37	61.72	75.18	92.18
Viscosity @ 40C, cSt	ASTM D445	45.08	72.0	49.35	62.64	85.0	114.36
Viscosity Index	ASTM D2270	174	167	161	159	178	170
Low Temperature (C) Cranking Viscosity, cP max.	ASTM D5293	6,200 @ -35	6,200 @ -35	6,600 @ -30	6,600 @ -30	6,600 @ -30	6,600 @ -30
Low Temperature (C) Pumping Viscosity, cP max.	ASTM D4684	60,000 @ -40	60,000 @ -40	40,000 @ -35	40,000 @ -35	60,000 @ -35	60,000 @ -35
HT /HS Viscosity, cP min	ASTM D4683	2.6	2.9	2.6	2.9	2.9	3.7
Pour Point, F (C) max	ASTM D97	-38 (-39)	-65 (-54)	-38 (-39)	-38 (-39)	-33 (-36)	-22 (-30)
Flash Point, PMCC, C min	ASTM D93	>200	>200	>200	>200	>200	>200
Density @ 15C, Relative	ASTM D4052	0.845	0.839	0.848	0.856	0.850	0.854
Pounds per Gallon		7.038	6.989	7.063	7.128	7.076	7.111

	Method	10W-30	10W-40	20W-50
Viscosity @ 100C, cSt	ASTM D445	11.30	14.60	19.64
Viscosity @ 210F, SUS	ASTM D2161	63.88	76.36	97.0
Viscosity @ 40C, cSt	ASTM D445	75.10	91.89	149.1
Viscosity Index	ASTM D2270	151	162	151
Low Temperature (C) Cranking Viscosity, cP max.	ASTM D5293	7,000 @ -25	7,000 @ -25	9,500 @ -15
Low Temperature (C) Pumping Viscosity, cP max.	ASTM D4684	50,000 @ -30	60,000 @ -30	60,000 @ -20
HT /HS Viscosity, cP min	ASTM D4683	2.9	2.9	3.7
Pour Point, F (C) max	ASTM D97	-33 (-36)	-27 (-33)	-22 (-30)
Flash Point, PMCC, C min	ASTM D93	>200	>200	>200
Density @ 15C, Relative	ASTM D4052	0.858	0.859	0.865
Pounds per Gallon		7.145	7.202	7.203

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

Part Numbers and UPCs

Packaged Goods

SAE Grade	0W-30	5W-20	5W-30				5W-40
Case Size	6/1 Qt	6/1 Qt	6/1 Qt	3/1 Gal	6 Gal Manual E-Pak	6 Gal E-Disp E-Pak	6/1 Qt
Case Part No.	06068	66074	06067	03952	60050	60025	06602
Bottle / Unit UPC	0-79191-00068-7	0-79191-06074-2	0-79191-00067-0	0-79191-03953-3	---	---	0-79191-00602-3
Case UPC	0-79191-06068-1	0-79191-66074-4	0-79191-06067-4	0-79191-03952-6	0-79191-60050-4	0-79191-60025-2	0-79191-06602-7

SAE Grade	5W-50		10W-30				10W-40
Case Size	6/1 Qt	3/1 Gal	6/1 Qt	3/1 Gal	6 Gal E-Disp E-Pak	6 Gal Manual E-Pak	6/1 Qt
Case Part No.	06072	03400	06062	03405	60030	60055	06091
Bottle / Unit UPC	0-79191-00072-4	0-79191-00315-2	0-79191-00062-5	0-79191-00316-9	---	---	0-79191-00091-5
Case UPC	0-79191-06072-8	0-79191-03315-9	0-79191-06062-9	0-79191-03316-6	0-79191-60030-6	0-79191-60055-9	0-79191-06091-9

SAE Grade	20W-50
Case Size	6/1 Qt
Case Part No.	06603
Bottle / Unit UPC	0-79191-00603-0
Case UPC	0-79191-06603-4

Bulk/Drum

SAE Grade	0W-20		5W-20		5W-30	
Unit Size	55 Gal Drum	Bulk	55 Gal Drum	Bulk	55 Gal Drum	Bulk
Part No.	55176	0059	55174	00074	0082	0067

SAE Grade	5W-40		5W-50		10W-30	
Unit Size	55 Gal Drum	Bulk	55 Gal Drum	Bulk	55 Gal Drum	Bulk
Part No.	55352	0066	0074	0070	0064	0060

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. MSDS's 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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