



Castrol® EDGE® with SYNTEC® Power Technology

Advanced Castrol proprietary technology

Description

Castrol EDGE with SYNTEC Power Technology

Strength for Maximum Performance

Engine oils need to be able to constantly respond to the ever-changing environments in your engine. Every second of the drive your engine oil needs to be able to react to the needs of different metal-to-metal contact points in your engine each with different demands, pressures and temperatures. Castrol EDGE provides the highest level of protection for critical engine parts helping your car to perform at its maximum.

Castrol EDGE with SYNTEC Power Technology is the strongest leading full synthetic motor oil, stronger than Mobil 1 in our extreme test of strength.*

Application

- Performance– Superior performance for the oil change interval recommended in your owner’s manual or by your oil change monitor
- Power – Fights 42% more power robbing deposits**
- Protection– Superior engine protection versus conventional and synthetic blend oils***

* Castrol EDGE 5W-30 was proven stronger based on Castrol’s extreme test of maximum torque, strength and endurance versus Mobil 1 TM 5W30. Castrol EDGE 5W-30 meets Europe’s ACEA A/B specification while Pennzoil Platinum 5W-30 and Valvoline Synpower 5W-30 do not.

** Compared with industry IIG WPD (high temperature deposit) requirements

*** Based on ACEA A/B specification

Advantages

Exceeds engine manufacturer's warranty requirements for applications requiring ILSAC GF-5, GF-4 and GF-3 (excludes 0W-30) and/or API SN, SM and SL (excludes 0W-30).

Typical Physical Characteristics

	Method	0W-20	0W-30	5W-20	5W-30	10W-30	5W-40	5W-50
Viscosity @ 100C, cSt	ASTM D445	8.65	12.21	8.88	10.7	11.3	13.9	18.5
Viscosity @ 210F, SUS	ASTM D2161	54.59	67.22	55.37	61.7	63.88	73.6	92.18
Viscosity @ 40C, cSt	ASTM D445	45.08	72.0	49.35	62.64	75.1	82.6	114.36
Viscosity Index	ASTM D2270	174	167	161	159	151	174	170
Low temperature (C) Cranking Viscosity, cP max	ASTM D5293	6,200 @ -35	6,200 @ -35	6,600 @ -30	6,600 @ -30	7,000 @ -25	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	50,000 @ -30	60,000 @ -35	60,000 @ -35
HT/HS Viscosity, cP min	ASTM D4683	2.6	2.9	2.6	2.9	2.9	2.9	3.7
Pour Point, F (C) max	ASTM D97	-38 (-39)	-65 (-54)	-38 (-39)	-38 (-39)	-33 (-36)	-44 (-42)	-22 (-30)
Flash Point, PMCC, C min	ASTM D93	>200	>200	>200	>200	>200	>200	>200
Density @ 15C, Relative	ASTM D4052	0.845	0.839	0.848	0.856	0.858	0.850	0.854
Pounds per Gallon		7.038	6.989	7.063	7.128	7.145	7.076	7.111

* Due to continual product research and development, the information contained herein is subject to change and without notification. Typical properties may vary slightly.

Product Performance Claims

EDGE with SPT 0W-30

ACEA A3/B3, A3/B4
 API CF/SL
 BMW Longlife-01
 MB-Approval 229.1/ 229.3/ 229.5
 VW 502 00 / 505 00

EDGE with SPT 5W-40

ACEA A3/B4
 API SM
 BMW Longlife-01
 MB-Approval 229.3
 Porsche A40
 VW 501 01 / 505 00/ 502 00

EDGE with Syntec Power Technology 0W-20

ACEA A1/B1
 API SN
 ILSAC GF5

EDGE with Syntec Power Technology 10W-30

ACEA A1/B1, A5/B5
API SL/SM/SN
ILSAC GF5
Chrysler MS 6395H
GM - 6094M

EDGE with Syntec Power Technology 5W-20 (CA)

ACEA A1/B1
API SL/SM/SN
ILSAC GF5
Chrysler MS 6395H
Meets Ford WSS-M2C929-A/ WSS-M2C945-A
GM - 6094M
Meets the performance requirements of GM dexos 1

EDGE with Syntec Power Technology 5W-30

ACEA A1/B1, A5/B5
API SN
ILSAC GF5
Chrysler MS 6395H
Meets Ford WSS-M2C929-A/ WSS-M2C946-A
GM - 6094M
GM - dexos1™ supersedes GM-LL-A-025
GM6094M and GM4718M

EDGE with Syntec Power Technology 5W-50

API SL/SM/SN

User Advice

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.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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