



## EDGE 5W-20 (U.S.)

EDGE with Syntec Power Technology 5W-20

### Description

**Castrol EDGE with SYNTEC Power Technology** – Full Synthetic from the Technology Leader in Motor Oil

### Application

#### Features and Benefits:

Proprietary Dispersant Molecule – suspends particles, helping the engine to perform at its peak longer by fighting power robbing deposits and continues to provide low volatility to keep the engine running at peak power longer.

### Conditions of Use

#### 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

### Characteristics

#### Castrol Edge with SPT

Specifications:	0W-20	0W-30	5W-20	5W-30	10W-30	10W-40	5W-40	5W-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
SJ		X	X	X	X	X	X	X
CF		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	X	X			
ACEA A3		X				X	X	
ACEA A5				X	X			
ACEA B1	X		X	X	X			
ACEA B3		X				X		
ACEA B4		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 6094*			X	X	
BMW Longlife 01	X				X
Mercedes-Benz 229.1	X				
Mercedes-Benz 229.3	X				X
Mercedes-Benz 229.5	X				
Porsche A40					X
VW 505.00	X				X
VW 502.00	X				X
VW 501 01					X

\* meets performance

## Typical Physical Characteristics

### Typical Properties:

#### Edge with SPT

	Method	0W-20	0W-30	5W-20	5W-30
Viscosity @ 100C, cSt	ASTM D445	8.65	12.21	8.88	10.7
Viscosity @ 210F, SUS	ASTM D2161	54.59	67.22	55.37	61.7
Viscosity @ 40C, cSt	ASTM D445	45.08	72.0	49.35	62.64
Viscosity Index	ASTM D2270	174	167	161	159
Low temperature (C) Cranking Viscosity, cP max	ASTM D5293	6,200 @ -35	6,200 @ -35	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
HT/HS Viscosity, cP min	ASTM D4683	2.6	2.9	2.6	2.9
Pour Point, F (C) max	ASTM D97	-38 (-39)	-65 (-54)	-38 (-39)	-38 (-39)
Flash Point, PMCC, C min	ASTM D93	>200	>200	>200	>200
Density @ 15C, Relative	ASTM D4052	0.845	0.839	0.848	0.856
Pounds per Gallon		7.038	6.989	7.063	7.128

#### Edge with SPT

	Method	10W-30	10W-40	5W-40	5W-50
Viscosity @ 100C, cSt	ASTM D445	11.3	14.6	13.9	18.5
Viscosity @ 210F, SUS	ASTM D2161	63.88	76.36	73.6	92.18
Viscosity @ 40C, cSt	ASTM D445	75.1	91.9	82.6	114.36
Viscosity Index	ASTM D2270	151	162	174	170
Low temperature (C) Cranking Viscosity, cP max	ASTM D5293	7,000 @ -25	7,000 @ -25	6,600 @ -30	6,600 @ -30
Low temperature (C) Pumping Viscosity, cP max	ASTM D4684	50,000 @ -30	60,000 @ -30	60,000 @ -35	60,000 @ -35
HT/HS Viscosity, cP min	ASTM D4683	2.9	2.9	2.9	3.7
Pour Point, F (C) max	ASTM D97	-33 (-36)	-27 (-33)	-44 (-42)	-22 (-30)
Flash Point, PMCC, C min	ASTM D93	>200	>200	>200	>200
Density @ 15C, Relative	ASTM D4052	0.858	0.859	0.850	0.854
Pounds per Gallon		7.145	7.202	7.076	7.111

\* Due to continual product research and development, the information contained herein is based on products purchased in subject to change

and without notification. Typical properties may vary slightly.

## Recommended Concentrations

### 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](http://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.

EDGE 5W-20 (U.S.)

30 Mar 2012

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

[www.castrol.com](http://www.castrol.com)