Granville®
More than just an oil company

# TECHNICAL DATA

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AUTOMOTIVE LUBRICANTS • QUALITY CHEMICALS • PREMIER BRANDS

## Granville

# FS-FE 0W/20

**1 Litre, 5 Litre, 20 Litre & 199 Litre**

## PRODUCT DESCRIPTION

Granville FS-FE 0W/20 is a fuel efficient C5/C6 engine oil formulated using the very latest additives and base oil technology. This product is suitable for various engine manufacturers requirements for petrol and diesel engine cars both with or without exhaust after treatment devices. FS-FE 0W-20 is also used in modern small capacity engines with exhaust gas turbochargers and direct injection.




* Image for illustrative purposes only.

## RECOMMENDED FOR USE BY GRANVILLE FOR THE FOLLOWING MANUFACTURER'S SPECIFICATIONS

ACEA: C5 & C6
MB: 229.71 & 229.72
STJLR: .51.5122 & .03.5006
Volvo: VCC RBS0-2AE
API: SP, SP-RC, SQ & SQ-RC
BMW: LL-17 FE+ & LL-14 FE+
Chrysler: MS-12145
Fiat: 9.55535-DSX & 9.55535-GSX
Ford: WSS-M2C947-B1, WSS-M2C962-A1, WSS-M2C952-A1 & WSS-M2C954-A1
ILSAC: GF-6A & GF-7A
Opel: OV0401547

| SIZE | PART NO | BARCODE |
|---|---|---|
| **1 Litre** | 1182 | 5020618011828 |
| **5 Litre** | 1183 | 5020618011835 |
| **20 Litre** | 1184 | 5020618011842 |
| **199 Litre** | 1185 | 5020618011859 |

## PRODUCT BENEFITS

*Excellent cold start properties
*Protects engines from LSPI damage

## PRODUCT USAGE

Use as recommended by the vehicle manufacturer.

## DIRECTIONS FOR USE

As per the vehicle handbook

HIGH PERFORMANCE
PREMIUM QUALITY

**Granville Oil & Chemicals Ltd.**
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# FS-FE 0W/20

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## STORAGE INSTRUCTIONS

Store sealed and upright in a cool dry place

## SHELF LIFE

5 years from date of manufacture

**Appearance** : Amber liquid
**Odour** : Characteristic
**Solubility** : Insoluble in water

| Test | Method | Unit | Min. | Max. | Typical |
|---|---|---|---|---|---|
| Viscosity, Kinematic 100°c | ASTM D445 | $mm^2/s$ | 7.8 | <9.3 | 8.3 |
| Viscosity, CCS -35°c | ASTM D4684 | mPa.s | | <6200 | |
| Total Base Number | ASTM D2896 | mg KOH/g | 8 | | 9.3 |
| Pour Point | ASTM D97 | °c | | -48 | |
| HTHS Viscosity | ASTM D4683 | mPa.s | 2.8 | <2.9 | |
| NOACK Volatility | ASTM D5800 | % | | 11 | |
| Viscosity, Kinematic 40°c | ASTM D445 | $mm^2/s$ | | | 44.4 |
| Density | ASTM D792 | @ 15°c | | | 0.84 |
| Viscosity Index | ASTM D2270 | | | | 165 |

## SAFETY PRECAUTIONS

Please see our latest EC Safety Data Sheets for details.

## TRANSPORT CLASSIFICATION

Please see our latest EC Safety Data Sheets for details.

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