



BRILL Series

0W-20, 12.5W-40, 17.5W-50 & 20W-60

Ester Base Full Synthetic Top End Performance Engine Oil

FEATURES

- 『BRILL』 Series is ester base FULL Synthetic engine oil which can be applied for several types of Racing Cars as well as Street Use.
- 「ES-TECH」 technology and Non-Polymer characteristic additive system lead to remarkable thermal stability and engine protection performance. As a result, keeping engine cleanliness and long drain.

ES-TECH

This optimized mixture of multiple special oils with improved lubricity consistently protects engine parts. Its improved anti-evaporation properties minimize oil vaporization. SUNOCO is skilled at manufacturing refrigeration oil. 「ES-TECH」 was developed based on a special ester oil technology for producing refrigeration oil.



APPLICATION

- **Gasoline Engine**
- **Diesel Engine**
- **Car Racing**
- **High Powered Engine**

(Follow and refer Service Manual or Owner's Manual to select appropriate Engine Oil)

PACKAGE

| SAE | 200L | 20L | 4x4L | 10x1L |
|----------|------|-----|------|-------|
| 0W-20 | --- | ○ | ○ | ○ |
| 12.5W-40 | --- | ○ | ○ | ○ |
| 17.5W-50 | --- | ○ | ○ | ○ |
| 20W-60 | --- | ○ | --- | --- |

TYPICAL DATA

| | 0W-20 | 12.5W-40 | 17.5W-50 | 20W-60 |
|--------------------------------------|--------------|-----------------|-----------------|---------------|
| Density, (15C) g/cm ³ | 0.870 | 0.889 | 0.890 | 0.893 |
| Flash Pt. (COC) C | 236 | 262 | 240 | 228 |
| Pour Pt. C | - 50 | - 40 | - 37.5 | - 37.5 |
| Viscosity, (40C) mm ² /s | 43.2 | 88.3 | 134.4 | 182.1 |
| Viscosity, (100C) mm ² /s | 8.2 | 13.4 | 19.1 | 24.3 |
| Viscosity Index | 165 | 153 | 161 | 164 |
| HTHS (100C) mPa·s | | | | 7.4 |
| C.C.S. (Temp) mPa·s | (-35C) 6,000 | (-22.5C) 5,800 | (-17.5C) 6,800 | (-15C) 7,100 |

Blend Ratio

| Target SAE | 0w20 | | 0w20 | | 0w20 | | 12.5w40 | | 12.5w40 | | 17.5w50 | |
|-----------------|------------------|----|------------------|----|----------------|----|------------------|----|----------------|----|----------------|----|
| | + 12.5w40 | | + 17.5w50 | | + 20w60 | | + 17.5w50 | | + 20w60 | | + 20w60 | |
| 2.5W-25 | 90 | 10 | 95 | 5 | ----- | | ----- | | ----- | | ----- | |
| 5W-25 | 75 | 25 | 80 | 20 | 90 | 10 | ----- | | ----- | | ----- | |
| 5W-30 | 60 | 40 | 75 | 25 | 80 | 20 | ----- | | ----- | | ----- | |
| 7.5W-30 | 50 | 50 | 60 | 40 | 75 | 25 | ----- | | ----- | | ----- | |
| 7.5W-35 | 30 | 70 | 50 | 50 | 65 | 35 | ----- | | ----- | | ----- | |
| 10W-25 | 25 | 75 | 45 | 55 | 60 | 40 | ----- | | ----- | | ----- | |
| 10W-40 | 10 | 90 | 35 | 65 | 55 | 45 | ----- | | ----- | | ----- | |
| 12.5W-45 | ----- | | ----- | | ----- | | 65 | 35 | 85 | 15 | ----- | |
| 15W-45 | ----- | | ----- | | 40 | 60 | 50 | 50 | 70 | 30 | ----- | |
| 1.5W-45 | ----- | | ----- | | ----- | | 10 | 90 | 65 | 35 | ----- | |
| 17.5W-50 | ----- | | ----- | | 25 | 75 | ----- | | 50 | 50 | 85 | 15 |
| 20W-55 | ----- | | ----- | | 10 | 90 | ----- | | 20 | 80 | 55 | 45 |