

VALCO E-PROTECT 5.2AE

Synthetic engine oil 0W20

Top of the range synthetic engine oil providing protection against wear and longevity of exhaust gas after-treatment systems ("Low-SAPS" technology). Its fluidity also improve fuel economy and reduce CO₂ emissions.

VALCO E-PROTECT 5.2AE is specially designed for Volvo vehicles for which VCC RBS0-2AE specification is recommended. It is also ideal when ACEA C5 level is required.

Specifications

- ✓ ACEA C5
- ✓ API SN

OEM Approval : ► Volvo VCC RBS0-2AE

Physicochemical Characteristics

| Characteristics | Method | Unit | Typical value | Min. | Max. |
|-----------------------------|-------------|----------|---------------|------|-------|
| Viscosity grade | SAE J300 | - | 0W20 | - | - |
| Kinematic viscosity @ 100°C | ASTM D 7042 | cSt | 9.2 | 8.5 | 9.3 |
| Kinematic viscosity @ 40°C | ASTM D 7042 | cSt | 50 | - | - |
| Viscosity index | ASTM D 2270 | - | 169 | - | - |
| CCS viscosity @ -35°C | ASTM D 5293 | mPa.s | 5900 | - | 6200 |
| HTHS viscosity @ 150°C | ASTM D 4683 | mPa.s | 2.8 | 2.75 | 2.9 |
| MRV viscosity @ -40°C | ASTM D 4684 | mPa.s | 35600 | - | 60000 |
| Density @ 20°C | ASTM D 7042 | - | 0.842 | - | - |
| Pour point | ASTM D 97 | °C | -48 | - | - |
| T.B.N. | ASTM D 2896 | Mg KOH/g | 8.0 | 7.5 | 8.1 |
| Sulfated ash | ASTM D 874 | % mass | 0.8 | - | 0.8 |
| Spectrometric analysis | ICP | ppm | | | |
| Phosphorus | | | 800 | 700 | 800 |
| Zinc | | | 880 | - | - |
| Calcium | | | 1800 | - | - |
| Sulfur | | | 1700 | - | 3000 |
| NOACK volatility | ASTM D 5800 | % mass | 11.9 | - | 13.0 |
| Colour | ASTM D 1500 | - | 2.5 | - | 3.5 |

Security

See Safety Data Sheet