

VALCO E-PROTECT 2.4

Synthetic engine oil 5W30

Top of the range synthetic oil perfectly suited to engines of current fleet (gasoline, diesel, diesel direct injection) providing protection against wear and fuel economy. Additivition with low levels of ash, phosphorus and sulfur ("Low SAPS" technology) also permits to increase longevity of exhaust gas aftertreatment systems.

VALCO E-PROTECT 2.4 is specially dedicated to Renault vehicles for which RN 0720 standard is required, it is also suitable for some Mercedes vehicles (MB 229.51 specification). It can also be used when ACEA C3 or C4 performance level is required.

Specifications

- ✓ ACEA C3, C4
- ✓ MB 226.51

OEM Approvals : ► Renault RN 0720

► MB 229.51

Physicochemical Characteristics

| Characteristics | Method | Unit | Typical value | Min. | Max. |
|-----------------------------|-------------|----------|---------------|------|-------|
| Viscosity grade | SAE J300 | - | 5W30 | - | - |
| Kinematic viscosity @ 100°C | ASTM D 7042 | cSt | 12.1 | 11.8 | 12.5 |
| Kinematic viscosity @ 40°C | ASTM D 7042 | cSt | 70 | - | - |
| Viscosity index | ASTM D 2270 | - | 175 | - | - |
| CCS viscosity @ -30°C | ASTM D 5293 | mPa.s | 5000 | - | 6600 |
| HTHS viscosity @ 150°C | ASTM D 4683 | mPa.s | 3.6 | 3.5 | - |
| MRV viscosity @ -35°C | ASTM D 4684 | mPa.s | - | - | 60000 |
| Density @ 20°C | ASTM D 7042 | - | 0.845 | - | - |
| Pour point | ASTM D 97 | °C | -45 | - | -27 |
| T.B.N. | ASTM D 2896 | Mg KOH/g | 6.8 | 6.0 | 7.1 |
| Sulfated ash | ASTM D 874 | % mass | 0.48 | - | 0.50 |
| Spectrometric analysis | ICP | ppm | | | |
| Phosphorus | | | 700 | 500 | 900 |
| Zinc | | | 770 | 700 | 820 |
| Calcium | | | 1050 | 950 | 1150 |
| Sulfur | | | 1750 | - | 2000 |
| NOACK volatility | ASTM D 5800 | % mass | 9.8 | - | 10.0 |
| Colour | ASTM D 1500 | - | 3.0 | - | 3.5 |

Security

See Safety Data Sheet