

ARECA S8500**Semi-synthetic engine oil 10W40 HD**

Semi-synthetic engine oil dedicated to heavy-duty engines and off-road vehicles providing protection against wear, engine cleanliness and longevity of the exhaust gas aftertreatment system ("Low-SAPS" technology).

ARECA S8500 has been specially designed to meet "EURO VI" engines requirements and is particularly suitable for vehicles for which ACEA E6 / E9 or API CK-4 level is recommended.

Specifications

- ✓ ACEA E6 / E9
- ✓ API CK-4
- ✓ MB 228.31
- ✓ MB 228.51
- ✓ Volvo VDS 4.5
- ✓ Cummins CES 20086
- ✓ Deutz DQC IV-18 LA
- ✓ MAN 3775
- ✓ Detroit Diesel DDC93K222
- ✓ Renault RLD-3
- ✓ Mack EOS-4.5
- ✓ Caterpillar ECF-3
- ✓ MTU Type 3.1

Physicochemical Characteristics

| Characteristics | Method | Unit | Typical value | Min. | Max. |
|-----------------------------|-------------|----------|---------------|------|-------|
| Viscosity grade | SAE J300 | - | 10W40 | - | - |
| Kinematic viscosity @ 100°C | ASTM D 7042 | cSt | 14.8 | 13.9 | 16.3 |
| Kinematic viscosity @ 40°C | ASTM D 7042 | cSt | 101 | - | - |
| Viscosity index | ASTM D 2270 | - | 152 | - | - |
| CCS viscosity @ -25°C | ASTM D 5293 | mPa.s | 6300 | - | 7000 |
| HTHS viscosity @ 150°C | ASTM D 4683 | mPa.s | 4.2 | 3.5 | - |
| MRV viscosity @ -30°C | ASTM D 4684 | mPa.s | - | - | 60000 |
| Density @ 20°C | ASTM D 7042 | - | 0.856 | - | - |
| Pour point | ASTM D 97 | °C | -44 | - | -27 |
| T.B.N. | ASTM D 2896 | Mg KOH/g | 9.8 | 9.0 | 10.2 |
| Sulfated ash | ASTM D 874 | % mass | 1.0 | - | 1.0 |
| Spectrometric analysis | ICP | ppm | | | |
| Phosphorus | | | 790 | 700 | 800 |
| Zinc | | | 870 | 790 | 950 |
| Calcium | | | 2300 | 2100 | 2550 |
| Sulfur | | | 3000 | - | 4000 |
| NOACK volatility | ASTM D 5800 | % mass | 8.1 | - | 11.0 |
| Colour | ASTM D 1500 | - | 4.0 | - | 4.5 |

Security

See Safety Data Sheet