

ARECA M8500**Engine oil 15W40 HD**

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 M8500 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
- ✓ Volvo VDS 4.5
- ✓ Cummins CES 20086
- ✓ Deutz DQC IV-18 LA
- ✓ Detroit Diesel DDC93K222
- ✓ Renault RLD-3
- ✓ Mack EOS-4.5
- ✓ Caterpillar ECF-3

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Mini	Maxi
Viscosity grade	SAE-J	-	15W40	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	15.3	13.9	16.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	118	-	-
Viscosity index	ASTM D 2270	-	135	-	-
CCS viscosity @ -20°C	ASTM D 5293	mPa.s	6700	-	7000
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	4.3	3.5	-
MRV viscosity @ -25°C	ASTM D 4684	mPa.s	-	-	60000
Density	D 20/4	-	0.870	-	-
Pour point	ASTM D 97	°C	-41	-	-27
T.B.N.	ASTM D 2896	Mg KOH/g	9.8	9.0	10.6
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
Molybdenum			100	80	110
Sulfur			3000	2700	4000
NOACK volatility	ASTM D 5800	% mass	8	-	11
Colour	ASTM D 1500	-	4.5	-	5

Security

See Safety Data Sheet