

ARECA F9013**Synthetic engine oil 0W-30**

Top of the range synthetic engine oil providing engine cleanliness, fuel economy and longevity of exhaust gas aftertreatment systems ("Low-SAPS" technology).

ARECA F9013 has been specially developed for Volkswagen engines for which VW 504.00 / 507.00 standard and 0W-30 viscosity grade are required. It is also perfectly dedicated to BMW (BMW LL-04 standard) engines but also when ACEA C3 performance level is recommended.

Specifications

- ✓ ACEA C3
- ✓ VW 504.00 / 507.00
- ✓ BMW LL-04
- ✓ Porsche C30

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	0W-30	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	12.0	11.85	12.5
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	63	-	-
Viscosity index	ASTM D 2270	-	187	-	-
CCS viscosity @ -35°C	ASTM D 5293	mPa.s	6000	-	6200
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.5	3.5	-
MRV viscosity @ -40°C	ASTM D 4684	mPa.s	27000	-	60000
Density @ 20°C	ASTM D 7042	-	0.841	-	-
Pour point	ASTM D 97	°C	-46	-	-42
Flash point	ASTM D 92	°C	224	-	-
T.B.N.	ASTM D 2896	mg KOH/g	8.2	7.8	8.4
Sulfated ash	ASTM D 874	% mass	0,78	-	0,80
Spectrometric analysis	ICP	ppm			
Phosphorous			750	700	900
Zinc			830	-	-
Calcium			1700	-	-
Boron			500	-	-
Sulfur			1900	-	3000
NOACK volatility	ASTM D 5800	% mass	10.3	-	11
Colour	ASTM D 1500	-	2.5	-	3.5

Security

See Safety Data Sheet