VALCO E-PROTECT 2.7

Synthetic engine oil 5W-30

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

VALCO E-PROTECT 2.7 has been specially developed for Volskwagen engines for which VW 504.00 / 507.00 standard is required. It is also perfectly dedicated to BMW (BMW LL-04 standard) or Mercedes (MB229.51 standard) engines but also when ACEA C3 performance level is recommended.

Specifications

- ✓ ACEA C3
- ✓ API SN
- ✓ BMW LL-04
- ✓ MB 229.51
- ✓ Porsche C30

OEM Approval : ► VW 504.00 / 507.00

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	5W-30	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	12.0	11.6	12.5
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	72	-	-
Viscosity index	ASTM D 2270	-	165	-	-
CCS viscosity @ -30°C	ASTM D 5293	mPa.s	6100	-	6600
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.6	3.5	-
MRV viscosity @ -35°C	ASTM D 4684	mPa.s	21500	-	60000
Density @ 20°C	ASTM D 7042	-	0.847	-	-
Pour point	ASTM D 97	°C	-46	-	-27
Flash point	ASTM D 92	°C	240	210	-
T.B.N.	ASTM D 2896	mg KOH/g	8.7	8.0	8.9
Sulfated ash	ASTM D 874	% mass	0.80	-	0.80
Spectrometric analysis	ICP	ppm			
Phosphorous			800	700	800
Zinc			880	400	-
Calcium			1800	-	4000
Boron			540	-	-
Sulfur			2000	-	3000
NOACK volatility	ASTM D 5800	% mass	8.0	-	10.0
Colour	ASTM D 1500	-	2.5	-	4.0

Security

See Safety Data Sheet