VALCO E-PROTECT 1.3

Synthetic engine oil 5W-40

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

VALCO E-PROTECT 1.3 is specially dedicated for Renault (RN 0700/0710 standard), Volkswagen (VW 505.00/505.01 standard), Mercedes (MB229.31 standard) or Opel/General Motors (Dexos 2 standard) engines. It is also ideal when API SN and/or ACEA C3 level is required.

Always refer to the manufacturer's recommendations before using the product.

Specifications

- ✓ ACEA C3
- ✓ API SN / CF
- ✓ RN 0700 / 0710
- ✓ VW 505.00 / 505.01
- ✓ MB 229.31
- ✓ MB 226.5
- ✓ Ford WSS-M2C917A
- ✓ GM Dexos 2

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	5W-40	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	14.2	13.7	16.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	86	-	-
Viscosity index	ASTM D 2270	-	172	-	-
CCS viscosity @ -30°C	ASTM D 5293	mPa.s	6000	-	6600
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.8	3.5	-
MRV viscosity @ -35°C	ASTM D 4684	mPa.s	-	-	60000
Density @ 20°C	ASTM D 7042	-	0.847	-	-
Pour point	ASTM D 97	°C	-45	-	-27
Flash point	ASTM D 92	°C	233	200	-
T.B.N.	ASTM D 2896	mg KOH/g	8.0	7.2	8.6
Sulfated ash	ASTM D 874	% mass	0.8	-	0.8
Spectrometric analysis	ICP	ppm			
Phosphorus			800	700	900
Zinc			890	800	1000
Calcium			1850	1650	2000
Sulfur			1700	-	3000
NOACK volatility	ASTM D 5800	% mass	9.9	-	12.0
Colour	ASTM D 1500	-	2.5	-	3.5

Security

See Safety Data Sheet