VALCO E-PROTECT 5.2AE

Synthetic engine oil 0W-20

Top of the range synthetic engine oil providing protection against wear and longevity of exhaust gas after-treatment systems (“Low-SAPS” technology) and prevention of damage induced by LSPI (Low Speed Pre-Ignition). Its fluidity also improve fuel economy and reduce CO_2 emissions.

VALCO E-PROTECT 5.2AE is especially designed for Volvo vehicles for which VCC RBS0-2AE specification is recommended. It is also ideal when ACEA C5 level is required.

Specifications

- ✓ ACEA C5
- ✓ API SP

OEM Approval : ► Volvo VCC RBS0-2AE

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	0W-20	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	9.2	8.5	9.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	47	-	-
Viscosity index	ASTM D 2270	-	185	-	-
CCS viscosity @ -35°C	ASTM D 5293	mPa.s	5300	-	6200
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	2.8	2.75	2.9
MRV viscosity @ -40°C	ASTM D 4684	mPa.s	32800	-	60000
Density @ 20°C	ASTM D 7042	-	0.842	-	-
Pour point	ASTM D 97	°C	-45	-	-45
Flash point	ASTM D 92	°C	222	185	-
T.B.N.	ASTM D 2896	mg KOH/g	8.4	7.8	8.6
Sulfated ash	ASTM D 874	% mass	0,79	-	0,8
Spectrometric analysis	ICP	ppm			
Phosphorus			750	700	800
Zinc			850	-	-
Calcium			1100	-	-
Magnesium			470	-	-
Boron			180	-	-
Sulfur			2000	-	3000
NOACK volatility	ASTM D 5800	% mass	12.8	-	13.0
Colour	ASTM D 1500	-	3.0	-	4.0

Security

See Safety Data Sheet