VALCO E-PROTECT 2.3

Synthetic engine oil 5W-30

Top of the range synthetic engine oil providing protection against wear and longevity of exhaust gas after-treatment systems (“Low-SAPS” technology).

VALCO E-PROTECT 2.3 is especially recommended for vehicles requiring use of a lubricant meeting Mercedes MB229.51/229.52 or GM Dexos 2 standards. It is also suitable when ACEA C3 or API SN PLUS performance level is required.

Specifications

- ✓ ACEA C3
- ✓ API SN PLUS
- ✓ MB 229.31
- ✓ MB 229.51
- ✓ GM Dexos 2
- ✓ Opel OV0401547 – D30
- ✓ Opel OV0401547 – G30

OEM approval : ► MB-Approval 229.52

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	5W-30	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	12.1	12.0	12.5
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	69	-	-
Viscosity index	ASTM D 2270	-	176	-	-
CCS viscosity @ -30°C	ASTM D 5293	mPa.s	5500	-	6600
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.5	3.5	-
MRV viscosity @ -35°C	ASTM D 4684	mPa.s	20000	-	60000
Density @ 20°C	ASTM D 7042	-	0.848	-	-
Pour point	ASTM D 97	°C	-46	-	-36
Flash point	ASTM D 92	°C	226	210	-
T.B.N.	ASTM D 2896	mg KOH/g	7.0	6.4	7.2
Sulfated ash	ASTM D 874	% mass	0.78	-	0.80
Spectrometric analysis	ICP	ppm			
Phosphorus			760	700	900
Zinc			830	400	-
Calcium			1080	-	3000
Magnesium			470	-	3000
Sulfur			2000	-	3000
NOACK volatility	ASTM D 5800	% mass	9.4	-	10.0
Colour	ASTM D 1500	-	3.5	-	4.5

Security

See Safety Data Sheet