

VALCO E-PROTECT 5.20

Synthetic engine oil 0W-20

Top of the range synthetic engine oil ensuring protection against wear and longevity of exhaust gas post-treatment systems ("Low-SAPS" technology). Its formulation was developed to prevent damage caused by LSPI (Low Speed Pre-Ignition), limit deposits and promote fuel economies.

VALCO E-PROTECT 5.20 is specially dedicated to recent PSA engines equipped with Blue HDi, PureTech, hybrid technologies, engines with Stop & Start systems, for which PSA B71 2010 standard is required. It can also be used when ACEA C5, C6 or API SP performance level is recommended.

Specifications

- ✓ ACEA C5, C6
- ✓ API SP
- ✓ PSA B71 2010

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	0W-20	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	8.2	7.9	9.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	43	-	-
Viscosity index	ASTM D 2270	-	170	-	-
CCS viscosity @ -35°C	ASTM D 5293	mPa.s	5200	-	6200
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	2.7	2.6	2.9
MRV viscosity @ -40°C	ASTM D 4684	mPa.s	22700	-	60000
Density @ 20°C	ASTM D 7042	-	0.842	-	-
Pour point	ASTM D 97	°C	-46	-	-35
Flash point	ASTM D 92	°C	229	210	-
T.B.N.	ASTM D 2896	mg KOH/g	10.0	9.2	10.5
Sulfated ash	ASTM D 874	% mass	0.75	-	0.80
Spectrometric analysis	ICP	ppm			
Phosphorus			770	700	800
Zinc			850	-	-
Calcium			1300	-	1400
Magnesium			270	-	-
Molybdenum			350	-	-
Sulfur			2200	-	3000
NOACK volatility	ASTM D 5800	% mass	11.3	-	13.0
Colour	ASTM D 1500	-	2.5	-	3.5

Security

See Safety Data Sheet