

VALCO E-PROTECT 3.5

Synthetic engine oil 5W-20 D1G3

Top of the range synthetic engine oil providing protection against wear, longevity of exhaust gas aftertreatment systems ("Low-SAPS" technology) and fuel economy. It also provides excellent protection against potential LSPI (Low Speed Pre-Ignition) in direct injection engines.

VALCO E-PROTECT 3.5 is specially dedicated for General Motor and Opel engines for which Dexos 1 Gen 3 specification is recommended. It is also ideal when API SP and / or ILSAC GF-6A level is required.

Specifications

- ✓ Opel / GM Dexos 1 Gen 3
- ✓ API SP
- ✓ ILSAC GF-6A
- ✓ Ford WSS-M2C960-A1
- ✓ Chrysler MS-6395

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	5W-20	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	8.1	8.0	9.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	43	-	-
Viscosity index	ASTM D 2270	-	162	-	-
CCS viscosity @ -30°C	ASTM D 5293	mPa.s	3000	-	6600
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	2.6	2.6	-
MRV viscosity @ -35°C	ASTM D 4684	mPa.s	12000	-	60000
Density @ 20°C	ASTM D 7042	-	0.845	-	-
Pour point	ASTM D 97	°C	-44	-	-
Flash point	ASTM D 92	°C	220	-	-
T.B.N.	ASTM D 2896	mg KOH/g	8.3	7.5	8.6
Sulfated ash	ASTM D 874	% mass	0.8	-	0.9
Spectrometric analysis	ICP	ppm			
Phosphorus			770	600	800
Zinc			850	-	-
Calcium			1300	-	-
Magnesium			570	-	-
NOACK volatility	ASTM D 5800	% mass	11.8	-	12.5
Colour	ASTM D 1500	-	3.0	-	4.0

Security

See Safety Data Sheet