VALCO C-PROTECT 5.1

Semi-synthetic engine oil 10W-40 PC

Semi-synthetic engine oil for passenger cars suitable for petrol, Diesel, direct injection Diesel engines, not equipped with exhaust gas aftertreatment systems. Its properties allow it to ensure engine cleanliness and protection against wear and corrosion.

VALCO C-PROTECT 5.1 is specially dedicated for engines for which ACEA A3/B4 or API SL performance level is recommended.

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

Specifications

- ✓ ACEA A3 / B4
- ✓ API SL
- ✓ MB 229.1

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	10W-40	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	14.0	13.8	16.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	89	-	-
Viscosity index	ASTM D 2270	-	161	-	-
CCS viscosity @ -25°C	ASTM D 5293	mPa.s	5700	-	7000
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.9	3.5	-
MRV viscosity @ -30°C	ASTM D 4684	mPa.s	40000	-	60000
Density @ 20°C	ASTM D 7042	-	0.859	-	-
Pour point	ASTM D 97	°C	-42	-	-27
Flash point	ASTM D 92	°C	228	215	-
T.B.N.	ASTM D 2896	mg KOH/g	11.1	10.2	11.9
Sulfated ash	ASTM D 874	% mass	1.4	1.0	1.5
Spectrometric analysis Phosphorus Zinc Calcium	ICP	ppm	 990 1100 3600	 600 800 -	 - - -
NOACK volatility	ASTM D 5800	% mass	12.6	-	13.0
Colour	ASTM D 1500	-	3.5	-	4.5

Security

See Safety Data Sheet