

VALCO C-PROTECT 5.1

Semi-synthetic engine oil 10W40

Passenger car engine oil, suitable for petrol, diesel and direct injection diesel engines, not equipped with particulate filter.

Specifications

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

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Mini	Maxi
Viscosity grade	SAE-J	-	10W40	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	14.5	13.8	16.0
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	98	-	-
Viscosity index	ASTM D 2270	-	145	-	-
CCS viscosity @ -25°C	ASTM D 5293	mPa.s	6600	-	7000
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.8	3.5	-
MRV viscosity @ -30°C	ASTM D 4684	mPa.s	-	-	60000
Density	D 20/4	-	0.860	-	-
Pour point	ASTM D 97	°C	-39	-	-
T.B.N.	ASTM D 2896	Mg KOH/g	11.1	10.1	12.0
Sulfated ash	ASTM D 874	% mass	1.2	1.0	1.5
Spectrometric analysis	ICP	ppm		± 10 %	
Phosphorus			1000		
Zinc			1100		
Calcium			3630		
Boron			90		
Molybdenum	40				
NOACK volatility	ASTM D 5800	% mass	12	-	13
Color	ASTM D 1500	-	3.5	-	4.5

Security

See Safety Data Sheet