VALCO C-PROTECT 4.1

Engine oil 15W40

Engine oil for passenger cars, suitable for petrol, diesel, diesel direct injection engines, not equipped with exhaust gas aftertreatment systems. Its properties permit to keep engine cleanliness and protection against wear and corrosion.

VALCO C-PROTECT 4.1 is specialy dedicated for engines for which ACEA A3 / B4 or API SN level is recommended.

Specifications

- ✓ ACEA A3 / B4
- ✓ API SN
- ✓ MB 229.1
- ✓ VW 501.01 / 505.00

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	15W40	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	14.1	13.8	16.3
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	100	-	-
Viscosity index	ASTM D 2270	-	142	-	-
CCS viscosity @ -20°C	ASTM D 5293	mPa.s	5000	-	7000
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.9	3.5	-
MRV viscosity @ -25°C	ASTM D 4684	mPa.s	-	-	60000
Density @ 20°C	ASTM D 7042	-	0.870	-	-
Pour point	ASTM D 97	°C	-38	-	-27
T.B.N.	ASTM D 2896	Mg KOH/g	10.4	10.0	11.4
Sulfated ash	ASTM D 874	% mass	1.3	1.0	1.5
Spectrometric analysis	ICP	ppm			
Phosphorous			1120	900	-
Zinc			1220	-	-
Calcium			3370	-	4000
NOACK volatility	ASTM D 5800	% mass	-	-	13.0
Colour	ASTM D 1500	-	3.5	-	4.5

Security

See Safety Data Sheet