VALCO E-PROTECT 2.2

Synthetic engine oil 5W-30

Top of the range synthetic engine oil providing protection against wear, longevity of exhaust gas after-treatment systems (“Low-SAPS” technology) and fuel economy. It limits risks of LSPI (Low Speed Pre-Ignition) thus extending life of engines.

VALCO E-PROTECT 2.2 is specially intended for Peugeot, Citroën or DS petrol (except Puretech) or diesel (except Blue HDi) engines for which PSA B71 2290 specification is required. It is also dedicated to current Renault engines requiring RN17 standard. This product will be suitable when ACEA C2 or C3 performance level is recommended.

This lubricant is not suitable for RS or Alpine engines (RN17 RSA standard) or when RN0720 specification is required.

Specifications

- ✓ ACEA C2, C3
- ✓ API SP
- ✓ Renault RN 0700 / 0710
- ✓ MB229.31
- ✓ MB229.51
- ✓ MB229.52

OEM Approval : ► **PSA B71 2290**
► **Renault RN17**

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	5W-30	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	12.0	11.9	12.5
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	72	-	-
Viscosity index	ASTM D 2270	-	162	-	-
CCS viscosity @ -30°C	ASTM D 5293	mPa.s	6300	-	6600
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.5	3.5	-
MRV viscosity @ -35°C	ASTM D 4684	mPa.s	20000	-	60000
Density @ 20°C	ASTM D 7042	-	0.848	-	-
Pour point	ASTM D 97	°C	-42	-	-36
Flash point	ASTM D 92	°C	227	210	-
T.B.N.	ASTM D 2896	mg KOH/g	8.7	8.1	9.1
Sulfated ash	ASTM D 874	% mass	0.70	-	0,80
Spectrometric analysis	ICP	ppm			
Phosphorus			740	700	900
Zinc			800	400	-
Calcium			700	-	3000
Magnesium			500	-	3000
Sulfur			2000	-	3000
NOACK volatility	ASTM D 5800	% mass	8.1	-	10.0
Colour	ASTM D 1500	-	3.0	-	4.0

Security

See Safety Data Sheet