VALCO E-PROTECT 4.50A

Synthetic engine oil 0W30

Top-of-the-range synthetic oil perfectly adapted to current fleet engines (gasoline, diesel, direct injection diesel) providing protection against wear and fuel economy. Low ash, phosphorus and sulfur additives ("Low SAPS" technology) also increase the longevity of exhaust gas post-treatment systems.

VALCO E-PROTECT 4.50A is particularly intended to Ford vehicles for which WSS-M2C950-A standard is recommended. It is also suitable for Jaguar Land-Rover engines (specification STJLR 03.5007) or when ACEA C2 performance level is recommended.

Specifications

- ✓ ACEA C2
- ✓ Ford WSS-M2C950-A
- ✓ STJLR 03.5007

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	0W30	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	9.5	9.3	11.5
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	46	-	-
Viscosity index	ASTM D 2270	-	200	-	-
CCS viscosity @ -35°C	ASTM D 5293	mPa.s	5100	-	6200
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	3.0	2.9	3.5
MRV viscosity @ -40°C	ASTM D 4684	mPa.s	24000	-	60000
Density @ 20°C	ASTM D 7042	-	0.837	-	-
Pour point	ASTM D 97	°C	-50	-	-
T.B.N.	ASTM D 2896	mg KOH/g	8.0	7.2	8.1
Sulfated ash	ASTM D 874	% mass	0.8	-	0.8
Spectrometric analysis	ICP	ppm			
Phosphorus			800	700	900
Zinc			900	750	1000
Calcium			1830	1600	2050
Sulfur			1700	-	3000
NOACK volatility	ASTM D 5800	% mass	10.8	-	13.0
Colour	ASTM D 1500	-	2.5	-	3.5

Security

See Safety Data Sheet