VALCO PL-PROTECT 9.4

Engine oil 20W-50 HD

Engine oil for heavy duty vehicles and public works appliances.

Its formulation has been studied to keep engine cleanliness and ensure its longevity.

VALCO PL-PROTECT 9.4 is particularly suitable when API CG-4 performance level is recommended.

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

Specifications

- ✓ API CG-4

Physicochemical Characteristics

Characteristics	Method	Unit	Typical value	Min.	Max.
Viscosity grade	SAE J300	-	20W-50	-	-
Kinematic viscosity @ 100°C	ASTM D 7042	cSt	18.5	18.0	21.9
Kinematic viscosity @ 40°C	ASTM D 7042	cSt	155	-	-
Viscosity index	ASTM D 2270	-	134	-	-
CCS viscosity @ -15°C	ASTM D 5293	mPa.s	6300	-	9500
HTHS viscosity @ 150°C	ASTM D 4683	mPa.s	4.8	3.7	-
MRV viscosity @ -20°C	ASTM D 4684	mPa.s	35000	-	60000
Density @ 20°C	ASTM D 7042	-	0.880	-	-
Pour point	ASTM D 97	°C	-33	-	-
Flash point	ASTM D 92	°C	227	-	-
T.B.N.	ASTM D 2896	mg KOH/g	8.5	7.8	9.2
Spectrometric analysis Phosphorus Zinc Calcium	ICP	ppm	 750 830 2750	 - - -	 - - -
NOACK volatility	ASTM D 5800	% mass	6.1	-	-
Colour	ASTM D 1500	-	4.0	-	5.0

Security

See Safety Data Sheet