

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade Name:

VAICO SAE 15W-40 Turbo

VAICO No.:

V60-0202, V60-0151, V60-0152

1.2. Informing department

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany

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2. PROPERTIES

VAICO SAE 15W-40 is a multi-grade engine oil designed for year-round use. Engines with turbocharger and charge air cooling require oils that can withstand higher thermal and mechanical loads. ALPINE Turbo meets the requirements for such demanding operating conditions even at extended oil change intervals. It ensures reliable cold start at low ambient temperatures and proper lubrication at high operating temperatures. Thanks to the use of shear-resistant active agents, the product retains its SAE class 15W-40 properties over the entire oil change interval.

3. USE INSTRUCTIONS

VAICO SAE 15W-40 Turbo is used in heavy-duty commercial and passenger cars with diesel engines, and in vehicles with petrol engines. Engine oils of this class are generally recommended where oil change intervals are extended.

4. PERFORMANCE DATA

4.1. Specifications:

ACEA E7/E5/E3/B4/A3 • API CI-4/SL

4.2. Approvals:

MB approvals 228.3 / 229.1

MAN M 3275, Volvo VDS-3

4.3. Recommendation:

Cummins CES 20076/20077/20078,

Mack EO-M Plus

Renault RLD-2, Caterpillar ECF-1

MTU Typ 2

JASO DH-1

TYPICAL VALUES	METHOD	UNIT	VAICO SAE 15W-40 Turbo
SAE class	DIN 51 511	-	15W-40
Density at 15°C	DIN 51 757	g/cm ³	0.880
Viscosity at -20°C	DIN 51 377	mPa s	6900
Viscosity at 40°C	DIN 51 562	mm ² /s	108
Viscosity at 100°C	DIN 51 562	mm ² /s	14.0
Viscosity index (VI)	DIN ISO 2909	-	137
COC flash point	DIN ISO 2592	°C	>200
Pour point	DIN ISO 3016	°C	- 40
Total base number	DIN ISO 3771	mgKOH/g	10.5
Sulphated ash	DIN 51 575	g/100 g	1.3

* conforms to OEM specifications

The above values may vary within commercially accepted tolerances