

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

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### 1.1. Product identifier

Trade Name:

**VAICO SAE 10W-40 Turbo Super**

VAICO No.:

V60-0201, V60-0155, V60-0156

### 1.2. Informing department

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany

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## 2. PROPERTIES

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Semi-synthetic base oils and additives tailor-made to meet today's high requirements ensure excellent properties under tough operating conditions.

VAICO SAE 10W-40 Turbo Super

- Is suitable for year-round use and ensure reliable cold start
- Reduces cold start wear by means of short engine lubrication times
- Offers high temperature safety
- Reduces fuel and oil consumption, thus protecting the environment
- Has an excellent dirt dispersing capacity and prevents sludge
- Prolongs the service life of the engine
- Allows for extended oil change intervals

## 3. USE INSTRUCTIONS

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VAICO SAE 10W-40 Turbo Super is the ideal oil for operators of mixed vehicles fleets. Using just one engine oil product, storage costs can be reduced and confusion of oils is made impossible. Thanks to its excellent diesel performance, VAICO SAE 10W-40 Turbo Super is suitable for use in all commercial vehicles and construction machines, including turbocharger vehicles. The product is recommended for petrol and diesel passenger car engines with or without turbocharger.

## 4. PERFORMANCE DATA

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### 4.1. Specifications:

ACEA E7/E5/E3/B4/B3/A3 • API SL/CI-4

### 4.2. Approvals:

MB approvals 228.3 / 229.1

MAN M 3275, Volvo VDS-3

### 4.3. Recommendation:

Cummins CES 20076/20077, Mack EO-M Plus

Deutz DQC III, -05,

MTU Typ 2

TYPICAL VALUES	METHOD	UNIT	VAICO SAE 10W-40 Turbo Super
<i>SAE class</i>	<i>DIN 51 511</i>	-	<i>10W-40</i>
<i>Density at 15°C</i>	<i>DIN 51 757</i>	<i>g/cm<sup>3</sup></i>	<i>0.870</i>
<i>Viscosity at -25°C</i>	<i>DIN 51 377</i>	<i>mPa s</i>	<i>6700</i>
<i>Viscosity at 40°C</i>	<i>DIN 51 562</i>	<i>mm<sup>2</sup>/s</i>	<i>92</i>
<i>Viscosity at 100°C</i>	<i>DIN 51 562</i>	<i>mm<sup>2</sup>/s</i>	<i>14.0</i>
<i>Viscosity index (VI)</i>	<i>DIN ISO 2909</i>	-	<i>156</i>
<i>COC flash point</i>	<i>DIN ISO 2592</i>	<i>°C</i>	<i>225</i>
<i>Pour point</i>	<i>DIN ISO 3016</i>	<i>°C</i>	<i>- 40</i>
<i>Total base number</i>	<i>DIN ISO 3771</i>	<i>mgKOH/g</i>	<i>11.5</i>
<i>Sulphated ash X</i>	<i>DIN 51 575</i>	<i>g/100 g</i>	<i>1.29</i>

\* conforms to OEM specifications

The above values may vary within commercially accepted tolerances