



# TECHNICAL DATA

PRODUCT TECH

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## TBO PREMIUM BREAK-IN OIL

### SAE 40

#### >>Description

Torco TBO Premium Break-in Oil is a blend of hydro-processed petroleum base stocks that clean and prepare new surfaces. Since the first start up of a new engine is critical to its life expectancy, TBO utilizes specially selected additives in order to protect vital race engine parts during the first startup. TBO cleansing agents "scrub down" any contaminants left in new engines from the production process and assure good cleansing of freshly machined parts. Using protective anti-wear chemistry allows mating surfaces to gently make contact during first new startup. Torco TBO provides the proper film for new bearing protection and is made to withstand viscosity break down in order to maintain good strong parts separation films. This oil can also be used as a consistent monitor control oil or "reference oil" for engine studies using an engine dynamometer. Torco TBO contains a high percentage of "Zinc" anti-wear chemistry for proper valve train and new cam break-in protection.

#### >>Features

- >Prepares new surfaces
- >Promotes proper seating of parts
- >High Detergent chemistry
- >Cleans surfaces
- >Good for engine Dyno flush
- >High Zinc content

#### >>Application

Recommended to be run for 30 minutes or longer on new or rebuilt engines for racing, high performance or street applications. Also, good for running in engines prior to switching to synthetic based motor oils.

#### >>Typical/Test Data

<b>SAE Grade</b>	<b>ASTM#</b>	SAE 40
<b>Appearance</b>	<b>Visual</b>	Amber
<b>API Gravity</b>	<b>D-287</b>	29.4
<b>Lbs/Gal</b>	<b>Tables</b>	7.323
<b>Specific Gravity @ 15.6/15.6°C</b>	<b>D-1298</b>	0.8794
<b>Viscosity @ 100°C</b>	<b>D-445</b>	15.5
<b>Viscosity @ 40°C</b>	<b>D-445</b>	137
<b>Viscosity Index</b>	<b>D-2270</b>	116
<b>Pour Point, °C</b>	<b>D-97</b>	-12
<b>Flash Point, °C</b>	<b>D-92</b>	238
<b>Fire Point, °C</b>	<b>D-92</b>	268
<b>TBN</b>	<b>D-2896</b>	10

#### >>Directions

Follow manufacturer's fill level requirements. Compatible with other petroleum and synthetic lubricants.

#### >>Package Sizes / P/N

<b>SAE Grade</b>	40
<b>1-Liter (1.056 US QT)</b>	A100040CE
<b>12/1-Liter Case</b>	A100040C
<b>5 Gallon Pail</b>	A100040E
<b>55 Gallon Drum</b>	A100040B

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