

# TRAXIUM DUAL 8 FE 80W-90

Transmission Oil

## KEY DATA

**SEMI-SYNTHETIC OIL FOR MANUAL GEARBOXES AND AXLES**

**SAE 80W-90**

**FUEL ECONOMY**

## INTERNATIONAL STANDARDS

- API GL-4
- API GL-5
- API MT-1
- MIL-L 2105 D

## MANUFACTURER APPROVALS<sup>1</sup>

- MAN 341 TYPE Z2
- MAN 342 TYPE M2
- SCANIA STO 1:0
- SCANIA STO 1:1G
- VOLVO 97321 / MACK GO-J
- MAN 341 TYPE E2 (meets the requirements of)
- ZF TE-ML 05A/12L/12M/16B/17H/19B/21A
- IVECO RAM1



## TECHNOLOGY

### Savings technology

**Reduce your maintenance costs.**

*With Savings technology you will contribute over time to reduce your maintenance costs as your vehicle will run with fewer interruptions.*

Our products offer a robust and consistent protection of your parts in all conditions, by offering performances that meet your needs in terms of reliability. Our oils are formulated to comply on multiples application using different materials and operating under different conditions due to the protective film that is applied to the parts with powerful and long-lasting properties.



## APPLICATIONS

**TRAXIUM DUAL 8 FE 80W-90** is an oil of synthetic based technology with a high viscosity index for the lubrication of gears under severe conditions of use.

**TRAXIUM DUAL 8 FE 80W-90** is designed to meet the challenge of the T.D.L. (Total Drive Line) concept: high performance lubrication of hypoid axles as well as synchronized gearboxes, to simplify maintenance without any compromise on components durability. **TRAXIUM DUAL 8 FE 80W-90** is recommended for use on manual gearboxes, rear axles, or any gear assembly requiring API GL-4, API GL-5, API MT-1 or SAE J2360 levels of performance.

**TRAXIUM DUAL 8 FE 80W-90** is suitable for the manual transmission of several OEMs such as MAN, DAF, IVECO and RENAULT TRUCKS with drain intervals recommended by the manufacturer.

## CUSTOMERS BENEFITS

- Reduced fuel consumption in comparison with standard lubricants due to TOTAL's Fuel Economy technology.
- Reduced cost of maintenance: specially formulated to reach the drain intervals recommended by the manufacturer.
- Suitable for multi-brand fleet customers: this lubricant adapted for gearboxes and axles of several OEM, thus enabling customers to use this lubricant for the whole fleet.
- Improved protection of axles and manual gearboxes against wear and corrosion due to extreme-pressure properties of oil.
- Improved driver start up experience: low temperature fluidity due to a high viscosity index, generating benefits during cold starts and limiting drag losses and fuel consumption.
- Improved stability in operation due to high viscosity index.
- High compatibility with oil filters due to antifoam properties.

## CHARACTERISTICS<sup>2</sup>

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	-	80W-90
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	128
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	15
Viscosity Index	-	ASTM D2270	124
Flashpoint	°C	-	200
Pour point	°C	ASTM D97	-39
Density	Kg/m <sup>3</sup>	DIN 51757 D	884

<sup>2</sup> The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

## RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations. The product should not be stored at temperatures over 60°C.

It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

## HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet.

This can be obtained on request from your local reseller and is available for consultation at <http://sdstotalms.total.com>.

This product should not be used for any purposes other than the ones for which it is intended.

TOTAL LUBRIFIANTS – Immeuble Spazio  
562, avenue du Parc de l'île  
92029 Nanterre cedex  
France

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Last update of this datasheet: 01/2022

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at [www.lubricants.total.com](http://www.lubricants.total.com).