

Klüber Tyreno Fluid 80 V

High-temperature media-resistant lubricating fluid



Benefits for your application

- Low evaporation rate
- High resistance to ambient media
- Almost neutral towards plastics and elastomer
- Non-flammable
- BAM-approved

Description

Klüber Tyreno Fluid 80 V is based on an extremely highly viscous perfluorinated polyether oil (PFPE).

The fluid excels by good chemical and thermal resistance as well as extremely low vapour pressures.

Application

Klüber Tyreno Fluid 80 V is a powerful working fluid for applications requiring

- extremely high thermal stability,
- low evaporation rates,
- good resistance to ambient media,
- compatibility with plastics, and
- good dampening properties.

Klüber Tyreno Fluid 80 V was tested and approved by the German Institute for Materials Research and Testing (BAM) for use in valves, fittings and components in contact with gaseous oxygen.

Behaviour towards elastomers and plastics:

Lubricating oils based on fluorinated polyether oils are generally classified as more or less neutral towards elastomers and plastics (except for perfluorinated rubber). Prior to series application, however, we recommend testing the lubricant for compatibility with the contacting materials.

Application notes

Klüber Tyreno Fluid can be applied by brush, drip-feed or spraying systems.

In individual cases, dilution of the highly viscous fluid with the volatile solvent Klüberalfa XZ 3-1 should be considered.

Before Klüber Tyreno Fluid 80 V is applied make sure to clean the surfaces to be lubricated with 180/210 white spirit and/or Klüberalfa XZ 3-1. Thereafter blow the friction points with clean dry compressed air in order to remove all residues.

For maximum service life, please contact our application engineers.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüber Tyreno Fluid 80V
Canister 5 l	+

Product data	Klüber Tyreno Fluid 80V
Article number	130044
NSF-H1 registration	154 483
Chemical composition, type of oil	PFPE
Colour space	colourless
Appearance	clear



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Product data	Klüber Tyreno Fluid 80V
Density, DIN 51757, 20 °C	approx. 1.9 g/cm ³
Vapour pressure at 20 °C	$\leq 1 \times 10^{-14}$ Torr
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 800 mm ² /s
Kinematic viscosity, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 70 mm ² /s
Pour point, DIN ISO 3016	< -15 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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