

# Power Transmission Oils for Voith Turbo Transmissions

## General lubricant list 120.00059010\_EN, Version 9 from 2014-12-04 (replaces document 3.285-149)

- Only use an oil that is listed in the following table to fill the turbo transmission. Other oil grades, oil mixtures or contaminated oil are not permitted.  
The turbo transmission is not covered by the warranty if operated with an oil not approved by Voith.

Manufacturer	Designation	Index	Suitable for low temperatures* to
ADDINOL	SGL 18	1	-25 °C
ARAL	ARAL DEGOL BG 32		-20 °C
BASF	ProEco HE 801-32	1, 4, 5	-40 °C
BP	BP Energol HL-XP 32	2	-25 °C
CASTROL	CASTROL ALPHA VT 32	1	-25 °C
CASTROL	CASTROL HYPIN HL-XP 32	2	-25 °C
CALTEX	TORQUE FLUID 32	2	-25 °C
Chevron Texaco	TEXTRAN V 32	2	-25 °C
ExxonMobil	MOBILFLUID 125	2	-20 °C
FUCHS - EUROPE	RENOFLUID TF 1500	1	-20 °C
Maziva Zagreb	INA FLUID V 32	2	-25 °C
Q8	Q8 AUTO R 26	2	-25 °C
Shell	SHELL TEGULA V 32	1	-25 °C
SRS	SRS WIOLAN HF 32 DB	1	-25 °C
SRS	SRS WIOLAN HF 32 synth	3	-40 °C
TOTAL	TOTAL AZOLLA VTR 32	1	-20 °C

Explanation of the Index column:

- Increased thermal-oxidative resistance
- Oil is **not** suitable for all electronically controlled turbo transmissions except T 211...
- Particularly increased thermal-oxidation resistance (synthetic oil)
- Rapidly biodegradable, made from renewable raw materials, with EU Ecolabel
- For use only with electrostatically optimized fine filter element (order number H90.934913)

9	JKb	MDi	TWa	2014-12-04	
8	JKb	MDi	TWa	2014-07-31	
7	JKb	MDi	TWb	2013-05-17	
6	JKb	MDi	TWb	2012-10-30	
Version	Preparation	Inspection	Release	Date	Remarks

- \* Minimum oil sump temperature from which it is possible to start and operate the turbo transmission. Further limitations (if at hand), depending on the application case, can be found in the operating instructions. Special measures must be taken for lower temperatures. Contact Voith regarding this matter.

**Filtering the power transmission oil**

Before the turbo transmission is filled, the power transmission oil must be filtered to a cleanliness rating of 17/15/11 according to ISO 4406:1999. Suitable filtering systems are available commercially.

The maximum number of foreign particles in 100 ml of power transmission oil according to ISO 4406:1999 is:

- 130,000 of particle size > 4 µm(c) (cleanliness rating 17)
- 32,000 of particle size > 6 µm(c) (cleanliness rating 15)
- 2,000 of particle size > 14 µm(c) (cleanliness rating 11)

An updated general lubricant list can be called up on the Internet on the following page:

[www.voith.com/brochures/2255](http://www.voith.com/brochures/2255)

9	JKb	MDi	TWa	2014-12-04	
8	JKb	MDi	TWa	2014-07-31	
7	JKb	MDi	TWb	2013-05-17	
6	JKb	MDi	TWb	2012-10-30	
<b>Version</b>	<b>Preparation</b>	<b>Inspection</b>	<b>Release</b>	<b>Date</b>	<b>Remarks</b>