



## UNIVERSAL TRACTOR OILS

# ADDINOL SUPER TRACTOR MU 1035, 1045, 1545

### PRODUCT DESCRIPTION

Tractor oil ADDINOL Super Tractor MU of SAE grades 10W-30, 10W-40 and 15W-40 are universal STOU (Super Tractor Oil Universal) oils for agriculture and forestry.

ADDINOL Super Tractor MU are based on high-quality mineral oil raffinates and the latest additive combination to ensure engine cleanliness, dispersant behaviour, corrosion as well as wear protection, thermal-oxidative stability and noise reduction at shifting or braking.

### APPLICATION

- Application as tractor lubricant for engines, transmissions and hydraulics in differentials and final drives as well as wet brakes and power shift clutches.
- Optimum performance for modern engine technologies, transmission and hydraulic systems.

### DELIVERY

Delivery preferable in drums and 20 l cans.

### SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- ACEA E2/E3
- API CG-4/CF-4/SF
- MIL-L-2104D

Complies with the requirements for transmissions and wet brakes of:

- API GL-4

Complies with the requirements for hydraulics of:

- DIN 51524-2 – HLPD (MU 1545)
- DIN 51524-3 – HVLPD (MU 1035/MU1045)

Complies with the requirements of the OEM classification acc. to:

- MB-approval 228.3/228.1/227.1
- Massey Ferguson M 1145/1144/1139
- John Deere JDM J 27/ J20C
- Ford M2C 159 B
- Allison C4
- Caterpillar TO-2
- MAN 271
- ZF TE-ML 06B (includes C, Q, R), 07B
- Fendt KDM 41.2011 (Vario) – MU 1545

### ADDINOL SUPER TRAKTOR MU 1045

Approved acc. to:

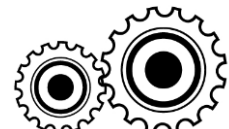
- ZF001985: ZF TE-ML 06B (includes C, Q, R), 07B

### CHARACTERISTICS

- Very good viscosity-temperature behaviour
- Multi-grade characteristics
- Improved corrosion and wear protection

### ADVANTAGES AND BENEFITS

- Reliable application also at cold and varying climatic conditions
- All-season use
- Long lifetimes of engines, transmissions and hydraulics





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## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		MU 1035	MU 1045	MU 1545	Method acc. to
Approvals				ZF001985: ZF TE-ML 06B, 07B		OEM standards
SAE-grade	J 300		10W-30	10W-40	15W-40	ASTM
SAE-grade	J 306		80W	80W-90	85W-90	ASTM
ISO-Viscosity grade			68	100	100	DIN 51519
ACEA			E2/E3			Laboratory and engine tests acc. to ASTM and CEC
API			CG-4/CF-4 / SF (engine oil) GL-4 (transmission oil)			
Density	at 15°C	kg/m <sup>3</sup>	862	861	869	DIN 51757
Viscosity	at 100°C	mm <sup>2</sup> /s	11.6	14.2	14.3	ASTM D 7042
TBN		mg KOH / g	11			DIN ISO 3771
Flash point	COC	°C min.	235	245	235	DIN EN ISO 2592
Pour point		°C max.	-36			ASTM D 7346
Pumpability		°C	down to -30		down to -25	ASTM D 4684

### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.