



UNIVERSAL TRACTOR OILS

ADDINOL UTTO

PRODUCT DESCRIPTION

ADDINOL UTTO is a multi-function oil of type UTTO (Universal Tractor Transmission Oil) in SAE grade 10W-30, SAE grade 80W respectively.

ADDINOL UTTO is based on high-quality mineral components combined with powerful additives for ensuring a reliable operation of transmissions, axles and hydraulic systems in construction and agricultural machinery.

APPLICATION

- Excellent suitability for tractors, forest and construction machinery and agricultural equipment for the lubrication of manual transmissions, axle drives, hydraulic systems as well as wet brakes and clutches

PLEASE NOTE

ADDINOL UTTO must not be used as engine oils!

CHARACTERISTICS

- High ageing resistance
- Balanced frictional behaviour
- High shear stability
- Ideal wear protection
- Multi-grade characteristics

SPECIFICATIONS / APPROVALS

ADDINOL UTTO is approved by:

- ZF000509: ZF TE-ML 03 E, 05 F, 06 K, 17E, 21F

ADDINOL UTTO is highly recommended for an operation acc. to:

- General overview see page 3

ADDINOL UTTO meets and outperforms the requirements for transmissions and wet brakes / clutches of:

- API GL-4

ADDINOL UTTO meets and surpasses the requirements for hydraulic systems acc. to:

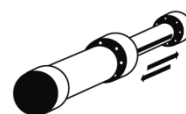
- DIN 51524-2 (HLPD)
- DIN 51524-3 (HVLPD)

DELIVERY

Delivery preferable in tanks, drums and 20 l cans.

ADVANTAGES AND BENEFITS

- Long service life of the lubricant
- No undesirable slipping or sticking of wet brakes
- Stable viscosity also at high loads over longer periods
- Very good protection of machine components
- All-season application





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		UTTO	Method acc. to
Approvals			ZF00509: ZF TE-ML 03E, 05F, 06K, 17E, 21F	
SAE grade			80W (10W-30)	J 306
ISO viscosity grade			68	DIN 51519
API			GL-4	
Density	at 15°C	kg/m ³	868	DIN 51757
Viscosity	at 40°C	mm ² /s	63	ASTM D 7042
	at 100°C	mm ² /s	10.9	
Viscosity index			165	DIN ISO 2909
Dynamic viscosity	at -35°C	mPa*s	< 70,000	DIN 51398
	at -20°C	mPa*s	< 5,500	
	at -15°C	mPa*s	--	
Flash point	COC	°C	min. 210	DIN EN ISO 2592
Pour point		°C	max. -48	ASTM D 7346

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 worldwide activities. ADDINOL high-performance lubricants are distributed by more than 120 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.



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FURTHER SPEZIFICATIONS

OEM	Subsidiary	Requirements for transmissions and wet brakes / clutches
AGCO-Allis	AGCO-Allis (inclusive Gleaner) Allis-Chalmers Deutz-Allis-MWM Massey-Ferguson White Farm Equipment inclusive: Oliver, New Idea, Minneapolis-Moline	Power Fluid 821XL Power Fluid 821 272843; 257541; 246634 CMS M-1110; M-1127A / B; M-1129A; M-1135; M-1141; M-1143; M-1145 Q-1705; Q-1722; Q-1766B; Q-1802, Type 55
Allison		C2; C3 und C4
Caterpillar		TO-2
CNH Global N.V.	Case International: Case -IH; Case-ICH, JI Case; International Farmall International Harvester Steiger New Holland (Fiat): Ford; New Holland Sperry-Vickers; Versatile David Brown	JIC 143; JIC 144; JIC 145; JIC 185 B-5; B-6 (International Harvester); SEMS 17001 (Steiger) FNHA-2C-200; FNHA-2C-200A; FNHA-2-C-201 MAT 3525 ; MAT 3505 (contains NH 134D; Multi G / G 134; NH 86556175; NH 86509436 bis 86509444; NH 86511126; MS-1204/1206/1207/1209 (contains zinc); MS-1210) NH 420 A, ESN-M2C41B; -M2C43; -M2C48-A / -B; -M2C53-A / -B; -M2C86--B / -C; -M2C92-A; -M2C134-A / -B / -C / -D; Ford 410B; 35VQ25 und M-2590-S / M-2952-S (Vickers); I-286-S (Vickers); Specification 23M / 24M (versatile)
Denison		HF-0; HF-1; HF-2
Hesston-Fiat	only tractors	Multi-F; Multi-G
John Deere		JDM J14B / J14C; JDM J20A / -B / -C (JDM J20; JDQ 95; JDQ 96); JDM J21A; JDT 303 Quatrol
Komatsu Dresser	inclusive International Hough (Dresser)	B-06-0001; B-06-0002, KES 07.866/Axo 80
Kubota		UDT, HM 68
Renk Doromat		873, 874 A / -B;
Steyr	inclusive Steyer-Daimler	E1; F1; H
TCM Forklifts		Transmission, Differential
Volvo		WB 101
ZF		TE-ML 03E, 05F, 06K, 17E, 21F

Recommendations for further OEM

Argo S.p.A. (inclusive Fort and Pegoraro; Landini; Laverda; McCormick; Valpadana)	Ebru	Link Belt	Taylor
	Fendt	Mahindra	Universal
	Hurlimann	McCormick	Ursus
	Ingersol Rand	Mitsubishi Poclain	Valmet
Arvin Meritor	IMT	Renault	Valtractores
Belarus	JCB	Renk	Vickers Hydraulics
Buhler	KH Deutz	Rockwell Transmissions	Volvo
Claas	Kioto	Same Deutz-Fahr	Yanmar
Clark	Komatsu	Sauer Sundstrand	Zetor
DEXRON TASA (Traktor)	Lamborghini	Schluter	
Eaton Hydraulics	Leyland	Steiger	