



## ENGINE OIL

# ADDINOL MULTI FLUID SAE 30, SAE 40

### PRODUCT DESCRIPTION

ADDINOL Multi Fluid SAE 30 and SAE 40 are high-performance monograde engine oils for universal use in motors, gearboxes and hydraulics.

The perfect combination of high-quality mineral oil raffinates and innovative additives guarantees excellent engine and transmission cleanliness, as well as outstanding corrosion and wear protection.

### APPLICATION

- Can be used in large diesel engines (with low base number)
- Excellent for use in transmissions of marine technology with special requirements due to wet-running lamellar couplings
  - Use in supercharged and uncharged diesel engines of construction machinery, other commercial vehicles and marine technology
  - in stationary units, which place very high demands on the engine oil
- Suitable for use in two-stroke diesel engines

### DELIVERY

Delivery preferable in Drums and 20L canisters.

### SPECIFICATIONS

Meets and exceeds the international specifications of:

- ACEA E2
- API CG-4/CF-4/CF-2/CF/SF
- MIL-L-2104 E

Approved according to:

- **SAE 30:** RENK B198283  
REINTJES BV 1597/1, 1597/2  
BV 2060/1, 2060/2  
ZF TE-ML 04A, 04B (running)
- **SAE 40:** RENK B198283  
REINTJES BV 1597/4  
ZF TE-ML 04A, 04B (running)

Meets the requirements of:

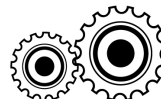
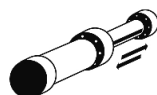
- Caterpillar TO-2
- MACK EO-K/2
- MAN 270
- MTU Ölkategorie 1
- ORTLINGHAUS ON 9.2.10
- MB 228.0

### CHARACTERISTICS

- Very good dispersibility
- Excellent wear and corrosion protection
- Monograde character
- Optimal friction behavior

### ADVANTAGES AND BENEFITS

- High purity in engine and gearbox
- Long-term performance for extreme loads and maritime environmental influences
- Suitable as engine, compressor, hydraulic and transmission oil, if a monograde oil is required
- Also suitable for wet-running lamellar clutch systems from OERTLINGHAUS





# ADDINOL MULTI FLUID SAE 30, SAE 40

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition/unit		Multi Fluid SAE 30	Multi Fluid SAE 40	Method acc. to
Appearance			yellowish, clear, free of contaminations		visual
Approvals			RENK B198283 REINTJES BV 1597/1 + 2 REINTJES BV 2060/1 + 2	RENK B198283 REINTJES BV 1597/4	OEM standards
SAE-grade	J 300		30	40	ASTM
ACEA			E2		Laboratory and engine test acc. to ASTM and CEC
API			CG-4 / CF-4 / CF-2 / CF/ SF		
Density	at 15°C	kg/m <sup>3</sup>	872	890	DIN 51757
Viscosity	at 100°C	mm <sup>2</sup> /s	11,8	14,8	ASTM D 7042
Viscosity index			122	106	DIN ISO 2909
Base number		mg KOH/g	10		DIN ISO 3771
Flash point	COC	°C min.	250	255	DIN EN ISO 2592
Pour point		°C max.	-34	-30	ASTM D 7346
FZG-test A/8,3/90		load stage	≥ 12		ISO 14635-1

### 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.