



ENGINE OILS

ADDINOL ECO CARGO 1540

PRODUCT DESCRIPTION

ADDINOL Eco Cargo 1540 is a Heavy Duty Engine Oil (HDEO) with outstanding SHPD level in the SAE-grade 15W-40 with the new ADVANTEC-X1™ Technology.

The new ADVANTEC-X1™-Technology in combination with special base oils and innovative additives for outstanding performance and Wear protection.

APPLICATION

- Perfect combination for Heavy Duty Engine Oil (HDEO) market
- Particularly suitable for trucks, heavy commercial vehicles in construction, agriculture and forestry as well as buses.
- Excellent for RME use (biodiesel). Shortening of oil change periods! Please note the new regulations of the vehicle manufacturers!

DELIVERY

Delivery preferable in drums.

SPECIFICATIONS

Meets and exceeds the international specifications of:

- ACEA E7
- API CI-4 PUS/SL
- Global DHD-1

Complies with the requirements of:

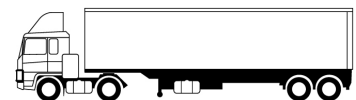
- MB-Freigabe 228.3
- MAN M 3275-1
- Volvo VDS-3
- Renault RLD-2
- MACK EO-N
- MACK EO-M Plus
- MTU Ölkategorie 2
- Deutz DQC III-10
- Cummins CES 20076/77/78
- Caterpillar ECF-2 / ECF-1a
- DDC 93K215
- Fiat-Iveco
- DAF

CHARACTERISTICS

- Practical rheology
- Low emission, extremely high soot control
- High level of performance and longlife character
- Excellent thermal and oxidative stability
- Maximum friction reduction

ADVANTAGES AND BENEFITS

- Fuel-efficient
- Long service life of the engines
- Very clean engines in all operating conditions
- Very high oil change periods
- Preventing paint formation, deposits and oil thickening
Long oil life
- Reduction of lubricant-related exhaust gases, low oil consumption





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Eco Cargo 1540	Method acc. to
Appearance			clear, free from contaminations	visual
SAE grade	J 300		15W-40	ASTM
ACEA			E7	Laboratory and engine tests acc. to ASTM and CEC
API			CI-4 Plus/SL	
Density	at 15°C	kg/m ³	867	DIN 51757
Viscosity	at 100°C	mm ² /s	14.97	ASTM D 7042
Viscosity index			154	DIN ISO 2909
HTHS-Viscosity	at 150°C	mPa*s	≥ 3.5	ASTM D 4683
Base number		mg KOH / g	11,1	ASTM D 2896
Flash point	COC	°C min.	min. 240	DIN EN ISO 2592
Pour point		°C max.	max. -42	ASTM D 7346
Pumpability		°C	to -30	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.