



ENGINE OILS

ADDINOL COMMERCIAL 0540 E7

PRODUCT DESCRIPTION

ADDINOL Commercial 0540 E7 is a Heavy-Duty Engine Oil (HDEO) with an outstanding SHPD level in SAE-grade 5W-40.

The ideal combination of fully synthetic base oils and innovative additives guarantees an outstanding performance and solves the complex and high requirements placed on lubricants by trucks and heavy commercial vehicles in construction, agriculture and forestry, as well as omnibuses easily.

APPLICATION

- Perfect solution for the Heavy-Duty Engine Oil (HDEO) market.
- Preferred for trucks, heavy-duty vehicles used in construction industry, agriculture and forestry and omnibuses.
- Also fit for vans.
- Useable over a wide temperature range both at very cold and very hot climates.
- Excellent suitability for RME-operations (biodiesel). Consider the reduction of oil change intervals formulated in the new regulations of vehicle manufacturers.

CHARACTERISTICS

- Rheology geared to practical application
- Low evaporation losses
- Excellent cold flow properties
- Low emission, extremely high soot control
- High performance level and longlife character
- Best thermal-oxidative stability
- Meets the strict Euro III-emission standards

SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- ACEA E7/E5/E3
- API CI-4 Plus/CI-4/CH-4/CG-4/CF-4/SL/SJ

Complies with the requirements of:

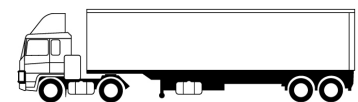
- MB-approval 228.3
- MAN M 3275-1
- Volvo VDS-3
- Renault RLD/RLD2
- MTU oil category 2
- MACK EO-N, EO-M Plus
- Cummins CES 20077/76
- Caterpillar ECF-2, ECF-1-a
- Global DHD-1

DELIVERY

Delivery preferable in drums, 20 l and 5 l cans.

ADVANTAGES AND BENEFITS

- Long engine lifetimes
- Low oil consumption
- Outstanding cold-start performance and low wear
- Excellent engine cleanliness during all operating conditions
- Long oil change intervals
- Prevention of varnish build-up, deposits and oil thickening → long oil lifetimes
- Very low environmental pollution by reduction of the emissions caused by lubricants





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Commercial 0540 E7	Method acc. to
Appearance			clear, free from contaminations	visual
SAE-grade	J 300		5W-40	ASTM
ACEA			E7/E5/E3	Laboratory and engine tests acc. to ASTM and CEC
API			CI-4 Plus/CI-4/CH-4/CG-4/CF-4/SL	
Density	at 15°C	kg/m ³	853	DIN 51757
Viscosity	at 100°C	mm ² /s	13.8	ASTM D 7042
Viscosity index			174	DIN ISO 2909
HTHS-Viscosity	at 150°C	mPa*s	≥ 3.5	ASTM D 4683
TBN		mg KOH / g	11	DIN ISO 3771
Flash point	COC	°C	min. 225	DIN EN ISO 2592
Pour point		°C	max. -43	ASTM D 7346
Pumpability		°C	down to -35	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.