



## ENGINE OILS

# ADDINOL ECO CRAFT 4015 ADDINOL ECO CRAFT 4040

### PRODUCT DESCRIPTION

ADDINOL Eco Craft series are fuel-economic marine engine oils in SAE-grade 40.

The ideal combination of carefully selected high-grade mineral oil raffinates and the innovative Advantec® technology guarantees an outstanding performance and ensures wear and corrosion protection as well as good engine cleanliness of marine combustion engines and secondary aggregates.

Based on the usage of Advantec® technology the friction coefficient will be reduced entailing fuel efficiency.

### APPLICATION

- Highly suited for the lubrication of plunger diesel engines operating on heavy fuel oil with diesel fuel and marine diesel fuel with increased wear protection and higher alkaline reserves

ADDINOL Eco Craft 4015

- Particularly suited for operation with distillate fuels

ADDINOL Eco Craft 4040

- Particularly suitable for the lubrication of combustion engines operated with fuels containing sulphur at varying levels

### SPECIFICATIONS

Meets and exceeds the international specifications of:

- SAE 40
- API CF

### DELIVERY

Delivery preferable in tank cars and drums.

### CHARACTERISTICS

- Reduction of friction and wear
- Energy efficient by reduced inner friction
- Excellent corrosion protection
- Outstanding detergent / dispersant behaviour
- Outstanding performance by an optimised formulation
- Innovative additivation

### ADVANTAGES AND BENEFITS

- Lower oil temperature ensures a longer lifetime of lubricant and engine components
- Excellent fuel saving potential
- Maximum protection and long lifetime of all engine components
- Outstanding engine cleanliness because contaminants are held in suspension
- Prevents the formation of deposits in hot areas
- Very good lubrication effect also under extreme conditions
- Highest performance and increased efficiency



# ADDINOL ECO CRAFT 4015 ADDINOL ECO CRAFT 4040

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		Eco Craft 4015	Eco Craft 4040	Method acc. to
Appearance			clear, free of contaminations	clear, free of contaminations	visual
SAE-grade	J 300		40	40	ASTM
API			CF	CF	Laboratory and engine tests acc. to ASTM
Density	at 15°C	kg/m <sup>3</sup>	879	893	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	124.7	123.8	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	14.0	14.4	
Flash point	COC	°C min.	280	270	DIN EN ISO 2592
Pour point		°C max.	-22	-10	ASTM D 7346
TBN		mg KOH / g	15.5	41	DIN ISO 3771
FZG A/8.3/90		load stage	11	10	ISO 14635

### 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.