



## ENGINE OILS

# ADDINOL PREMIUM 0520 FD

### PRODUCT DESCRIPTION

ADDINOL Premium 0520 FD is a high-performance engine oil in SAE-grade 5W-20 with longlife characteristic and decreased HTHS viscosity.

The ideal combination of fully synthetic base oils and innovative additives guarantees an outstanding performance. The engine oil is distinguished by its outstanding lubricity for all operating conditions and its high cleaning capacity as well as its very good wear protection.

### APPLICATION

- Primarily developed for the 1.0L 3-cylinder and 1.5L 4-cylinder EcoBoost engines
- In particular for Ford gasoline engines, but with the following exceptions:
  - Ford Ka (from 08/2008) requiring M2C 917-A
  - Ford Focus ST 2.5L Duratec (from 2004) requiring M2C 913-D
  - Ford Focus RS (from 2004) requiring M2C 937-A
  - and also 1.3L, 1.6L and 1.8L Duratec engines requiring M2C 913-D
- Highly fit as fuel-saving high-performance engine oil for all engines requiring the specifications M2C 913-B, M2C 913-C or M2C 925-B

### CHARACTERISTICS

- Outstanding low-temperature behaviour
- Optimum viscosity during all driving situations
- Best oxidation stability
- Good cleaning capacity
- Complex wear protection
- Decreased HTHS viscosity (HTHSV < 3,5 mPa\*s)
- Very good elastomer compatibility

### SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- API SN

Meets the requirements of:

- Ford WSS-M2C 948-B
- Jaguar Land Rover ST JLR.03.5004

### DELIVERY

Delivery preferable in drums and small packaging.

### ADVANTAGES AND BENEFITS

- Very good cold-start and warming up performance
- Stable lubrication film at all operating temperatures
- High ageing stability
- Excellent engine cleanliness
- Long engine lifetime
- High fuel-saving
- Reduction of harmful emissions
- Improved protection against leakages





## ADDINOL PREMIUM 0520 FD

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		Premium 0520 FD	Method acc. to
Appearance			clear, free from contaminations	visual
SAE-grade	J 300		5W-20	ASTM
API			SN	laboratory and engine tests acc. to ASTM and CEC
Density	at 15°C	kg/m <sup>3</sup>	850	DIN 51757
Viscosity	at 100°C	mm <sup>2</sup> /s	8.1	ASTM D 7042
Viscosity index			164	DIN ISO 2909
HTHS-viscosity	at 150°C	mPa*s	> 2.6	ASTM D 4683
Base number		mg KOH / g	7.5	ASTM 2896
Flash point	COC	°C	min. 205	DIN EN ISO 2592
Pour point		°C	max. -38	ASTM D 7346
Pumpability		°C	down to -35	ASTM

### 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.