

# KAPPA FIRST

## 5W-30



**KAPPA FIRST is the Fuel Economy Extreme Protection Diesel Engine Oil of the future. Blended with the most advanced technology, it surpasses the most stringent OEM's requirements.**

### UTILISATION

- Developed to maximize environment protection, thanks to an exceptional reduction of fuel consumption.
- Tested in the most severe engines fulfilling the latest European emissions limits "EURO 2", and warranties a long term environment protection thanks to a maximal protection against wear.
- Recommended for all those who demand the best for their engine. It is particularly suitable for all diesel engines developing highest specific outputs and used the most intensively.
- Suitable for engines running with low sulfur diesel fuel (< 0.05 %).

### PERFORMANCES

#### Specifications

ACEA E4 / E5 / E7  
API CF

#### OEMs approvals

DAIMLER CHRYSLER MB page 228.5  
MAN M 3277  
RENAULT TRUCKS RXD / RLD-2  
DAF HP-1 / HP-2  
MTU Type 3  
SCANIA LDF  
VOLVO VDS-3  
MACK EOM+  
CUMMINS 20071/20072/20076/ 20077

### CUSTOMER BENEFITS

#### Fuel savings

#### Technical performances

#### Very long oil change intervals And reduced maintenance costs

- Exceptional fuel savings and power increase by reductions of internal friction, thanks to its Fuel Economy technology and a futurist viscosity grade: 5W-30,
- Guarantee of an outstanding piston cleanliness and a maximal protection against bore polishing regardless the engine life
- Exceptional protection against oil thickening and wear due to soot, generated by most of EURO 2 and future low emission engines,
- Even by extremely low temperature, easy starting, and excellent protection against wear
- Very low volatility and special chemistry (FINA FIRSTLINE ® ) leading to minimum oil consumption
- Miscible with all other motor oils on the market
- Performances reserve out of common, allowing oil change intervals up to 100.000 km and even more (MB long distance conditions for Actros trucks and flexible service system),

### CHARACTERISTICS

	Units	SAE Grade <b>5W-30</b>
Volumetric mass at 15°C	kg/m <sup>3</sup>	860
Viscosity at 100°C	mm <sup>2</sup> /s (cSt)	12.3
Viscosity index	-	158
Flash point	°C	220
Pour point	°C	-54
T.B.N.	mgKOH/g	15.9

*The typical characteristics mentioned represent mean values.*

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**KAPPA FIRST 5W-30**  
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This lubricant, used in accordance with our recommendations and for the application for which it is intended, does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.