

# Motor HP4D 10W

MONOGRADE LUBRICANT FOR BOTH DIESEL AND PETROL ENGINES

263551/01.17

Rev. 0

## DESCRIPTION & APPLICATIONS

MOTOR HP 4 D are monograde motor oils suitable for all 4 stroke engines without turbo.

The MOTOR HP 4D are also used depending on the viscosity in the hydraulic transmission, hydrostatic, powershift, as well as in power transmission for which the manufacturer recommends a lubricating oil.

## ADVANTAGES

- Anti-wear, extending the life span of the engine
- Anti-oxidants, allowing the usage in very severe climatic conditions
- Detergents and dispersants, insuring the cleanliness of the engine
- Good thermal resistance
- Anti-foam

## PERFORMANCES

Satisfies to the following specifications:

API CF2/SF

CAT TO2

MB 228.0

ACEA E2-96 Issue 5 (2007)

MAN 270

MTU Category 1

## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	
Specific gravity at 15°C	kg/m <sup>3</sup>	ISO 3675	882
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	NFT 60100	40,6
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	NFT 60100	6,9
Viscosity index	-	NFT 60136	129
Dynamic viscosity at -20°C	mPa.s	ASTM D2602	3500
Dynamic viscosity at -10°C	mPa.s	ASTM D2602	
Flash point (PMCC)	°C	ASTM D 93	224
Pour point	°C	ASTM D97	-30
Sulphated ash content	% weight	NF T 60143	1,54
TBN (Total Base Number)	mg KOH/g	ASTM D 2896	11

*The average values are given for information only.*