MOTOR HP4D

MONOGRADE LUBRICANT FOR BOTH DIESEL AND PETROL ENGINES

120051-120052-120053-120054-120055/11.23

Rev. 3

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:

ACEA E2-96 Issue 5 (2007)

API CF2/SF

CAT TO4

MB 228.0

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.

MOTOR HP4D

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA				
SAE grade	-	-	10W	20W20	30	40	50
Density at 15°C	kg/m³	NFT 60101	882	879	892	896	897
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	40,6	61,8	101	156	206
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	6,9	8,8	12	15,6	19,5
Viscosity index	-	NFT 60136	129	119	109	103	108
Dynamic viscosity at -20°C	mPa.s	ASTM D2602	3500	-	-	-	-
Dynamic viscosity at -10°C	mPa.s	ASTM D2602	-	1360	-	-	-
Flash point (PMCC)	°C	ASTM D 93	224	242	236	237	236
Pour point	°C	NFT 60105	-30	-25	-21	-17	-13
Sulphated ash content	% weight	NF T 60143	1,54	1,54	1,54	1,54	1,54
TBN (Total Base Number)	mg KOH/g	ASTM D 2896	11	11	11	11	11
Product number	-	-	120051	120052	120053	120054	120055

The average values are given for information only.