

# PALLAS 900

U.H.P.D. 100% SYNTHETIC LUBRICANT FOR LOW EMISSION DIESEL ENGINES

120013/03.24

Rev. 6

## DESCRIPTION & APPLICATIONS

PALLAS 900 10W40 was specially elaborated to meet the most severe requirements of professional diesel 4 stroke engines, especially in terms of low emission and very long drain periods.

PALLAS 900 10W40 is particularly suitable to engines with DPF (particles strainer) and is recommended for low emission engines meeting the EURO V, VI and Tier 4 (off-road vehicles since 2011).

PALLAS 900 10W40 allows, under normal analytical control, drain periods up to 150 000 km (according to the manufacturers requirements), in intensive service conditions.

### Approvals

MB DTFR 15C110  
Deutz DQC IV-18LA  
MACK EOS-4,5  
Renault VI RLD-3  
Volvo VDS 4,5

## ADVANTAGES

- Excellent oxidation resistance
- Remarkable thermal stability.
- Extreme shearing stability, ensuring its SAE 10W40 grade preservation.
- Thanks to the original technology of additives, a high anti-wear protection and an unequalled cleanliness of pistons.
- Exceptional protection against bore polishing phenomenon, while being compatible with post processing (EGR, SCR, DPF, ...).
- PALLAS 900 10W40 produces few ashes.
- A reverse pressure decrease has been measured from exhaust five times less with regard to the same lubricated motor having an ACEA E4 oil. That represents a 1.6 % fuel saving (measure done in service after a 100 000 km run).

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## PERFORMANCES

Satisfies to the following specifications:

ACEA E6-16/E7-22/E8-22/E9-16/E11-22

API CK-4

CAT ECF-3

Cummins CES 20081/20086

Detroit Diesel DDC 93K218

Detroit Diesel DFS 93K222

DEUTZ DQC IV-18 LA

JASO DH-2

MACK EOS-4.5

MAN M 3477/3775

MB 228.31/228.51

DTFR 15C110

MB 228.52

MTU Type 2.1/3.1

RENAULT RLD-3

Volvo VDS 4,5

## 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.

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## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	10W40
Density at 15 °C	kg/l	ASTM D4052	0,859
Kinematic viscosity at 40°C	mm²/s.	ASTM D445	83,5
Kinematic viscosity at 100°C	mm²/s.	ASTM D445	13
Viscosity index	-	ASTM D2270	156
Dynamic viscosity at -25°C	mPa.s	ASTM D 2602	5500
Flash point (PMCC)	°C	ASTM D 93	234
Pour point	°C	ASTM D97	-36
Phosphorous content	m%	ASTM D 5185	< 0,08
Sulphur content	%	-	< 0,03
Sulphated ash content	% weight		0,68
TBN (Total Base Number)	mg KOH/g	ASTM D 2896	9,9

*The average values are given for information only.*