

# OPALJET ENERGY 4

Fully Synthetic 5W30 for high performance and extended drain intervals  
FOR DIESEL AND PETROL ENGINES

120164/01.24

Rev. 1

## DESCRIPTION & APPLICATIONS

OPALJET ENERGY 4 5W30 is a high-performance motor oil, 100% synthetic, for gasoline, diesel, hybrid or biofuel engines that allows the oil change intervals to be greatly extended in compliance with Euro 5 and 6 emission standards.

This new oil has been approved by the VAG group for use in Volkswagens equipped with the new WIV system (system for extended oil drain intervals). In this case, the oil change intervals can be extended up to 30,000 km for petrol engines and up to 50,000 km for diesel engines. Moreover, this oil guarantees a longer service life of after-treatments (such as particulate filters, catalytic converters, etc.).

OPALJET ENERGY 4 5W30 is the product of choice for use in the latest Mercedes-Benz engine developments, in particular the BlueTEC diesel engines with the SCR system or those with a particle filter.

This product provides additional protection against LSPI (Low Speed Pre-Ignition) on turbochargers and indirect injection engines. Energy 4 is highly recommended for cars equipped with a start-stop system because this oil protects the engine even better against lacquer formation and sludge.

### Approvals

VW 504,00 / 507,00

## ADVANTAGES

- Fuel saving
- Economical consumption due to fluidity at both high and low temperatures
- Longer drain intervals in combination with the VAG WIV system
- Maximum wear protection in the latest high tech engines

## PERFORMANCES

Satisfies to the following specifications:

ACEA C3-21

API SP

BMW Longlife 04

MB 229.31/229.51/229.52

PORSCHE C 30

VW 502.00/503.00/503.01/504.00/505.01/506.00/506.01/507.00

Opel/vauxhall OV0401547

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## 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.

## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	5W30
Density at 15°C	kg/m <sup>3</sup>	NFT 60101	853
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	NFT 60100	70,9
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	NFT 60100	12,2
Viscosity index	-	NFT 60136	171
Dynamic viscosity at -30°C	mPa.s	ASTM D 5293	5950
Flash point	°C	NFT 60118	226
Pour point	°C	NFT 60105	-45
TBN (Total Base Number)	mg KOH/g	ASTM D 2896	7,6
Sulphated ash content	% weight	NF T 60143	0,72

*The average values are given for information only.*