



PANTHER1 PREMIUM 50W

Description

A universal engine oil produced with high quality solvent refined base oils and a well balanced choice of additives.

Applications

This universal lubricating oil is suitable for gasoline and diesel engines, with or without supercharging.
an excellent detergency preventing from deposits in the hot zones of the engine
a very active dispersion, that prevents from precipitation and sludge
a powerful action against wear, corrosion and foam
low ash contents

Performance Level

ACEA: E2
ALLISON C3
API: SG/CF
API: SF/CF
CAT: TO-2
MB: 227.0/228.0
MAN: 270
MTU TYPE I

Characteristics

		Unit	Power Premium 50W
Density at 15°C		Kg/l	0,897
Viscosity 40°C		mm²/s	206.00
Viscosity 100°C		mm²/s	19.40
Viscosity index			107
Flash Point COC		°C	255
Pour Point		°C	-15
Total Base Number		mgKOH/g	7.1
Sulphated ash content		%	0.91



PANTHER1 TURBO DIESEL 20W50

Description

This modern, universal applicable engine oil is produced with high quality solvent refined base oils and a well-balanced choice of additives.

Applications

This universal engine oil is suitable for the lubrication of gasoline and diesel engines, with or without turbo-loading, under heavy operating conditions and all the year round. This oil is excellent suitable for mixed fleets and can be applied in e.g. Euro 3 and Euro 4 engines. Due to its special composition longer drain intervals are possible with this motor oil.

Performance Level

ACEA A3/B4/E7
API CI-4/SL
ALLISON C4
CATERPILLAR ECF-1a/2
CUMMINS CES 20076/20077/20078
DETROIT DIESEL 93K215
DEUTZ DQC-III-10
GLOBAL DHD-1
JASO DH-1
MACK EO-M PLUS/EO-N
MAN M3275-1
MB 228.3/229.1
MTU TYPE 2
RENAULT RLD/RLD-2
VOLVO VDS-3

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0.889
Viscosity 40 °C		mm ² /s	152.60
Viscosity 100 °C		mm ² /s	17.20
Viscosity -15 °C		mPas	8400
Viscosity Index			122
Flash Point COC		°C	230
Pour Point		°C	-21
Total Base Number		mgKOH/g	10.7
Sulphated Ash Content		%	1.37



PANTHER1 TURBO DIESEL 15W40

Description

This is a high-performance mineral diesel engine oil formulated to deliver reliable performance in a broad range of -duty applications. It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).

Applications

Recommended for all modern diesel engines of trucks, off-road equipment and other heavy-duty applications. Universal use, including mixed fleets. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV). Meets and exceeds the demanding requirements of many U.S. and European diesel engine manufacturers.

outstanding engine cleanliness and durability
minimising engine wear
preventing deposit formation

Specifications

ACEA: E7
ALLISON : C4
API: CI-4/SL
CATERPILLAR: ECF-1a / ECF-2
CUMMINS: CES 20076 / CES 20077 / CES 20078
DETROIT DIESEL: 93K215
DEUTZ: DQC-III-10
GLOBAL: DHD-1
JASO: DH-1
MACK: EO-M PLUS / EO-N
MAN: M3275-1
MB: 228.3
MTU: Type 2
RENAULT: RLD / RLD-2
VOLVO: VDS-3
ZF ML07C

Characteristics

	Methods	Units	Turbo Diesel 15w40
Density @ 15°C		kg/l	0,875
Viscosity @ 40 °C		mm²/s	99,00
Viscosity @ 100 °C		mm²/s	13,90
Viscosity index			142
Flash Point COC		°C	212
Vloeipunt		°C	-36
Total Base Number		mgKOH/g	10.7
Sulphated ash content		%	1,37



PANTHER1 SUPREME SN 20W50

Description

A very high quality mineral engine oil, which is suitable for most of 4-stroke gasoline and diesel cars and light trucks. By its selected composition, a very good resistance to oxidation and optimal detergent and dispersion properties are obtained. A strong oil film guarantees a high lubricating power.

Applications

This oil can be applied in modern 4-stroke gasoline (multi valves, turbo, etc.) and 4-stroke diesel engines, with or without turbo.

Performance Level

ACEA: A3/B3
ACEA: A3/B4
API: SN/CF
MB: 229.1

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,885
Viscosity 40 C		mm ² /s	151
Viscosity 100 °C		mm ² /s	17.50
Viscosity -15 °C		mPas	8000
Viscosity Index			125
Flash Point COC		°C	238
Pour Point		°C	-24
Total Base Number		mgKOH/g	10.2
Sulphated Ash Content		%	1.29



PANTHER1 SUPER THERMOSTATIC 15W40

Description

A modern multifunctional motor oil, produced with high quality solvent refined base oils and modern additives.

Applications

This modern multifunctional motor oil is recommended for use in petrol-, diesel-, and LPG-engines, with or without turbo-charging, in passenger cars and delivery vans.

- a strong detergency and dispersion power
- a strong resistance against oxidation
- a strong protection against wear
- a strong protection against corrosion and foaming
- a high and stable viscosity index
- a low tendency to evaporation

Performance Level

ACEA: A3/B4
API: SL/CF
MB: 229.1
VW: 501.01/505.00

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,866
Viscosity 40 C		mm ² /s	116.10
Viscosity 100 °C		mm ² /s	14.70
Viscosity -35 °C		mPas	4070
Viscosity Index			130
Flash Point COC		°C	230
Pour Point		°C	-30
Total Base Number		mgKOH/g	10.2
Sulphated Ash Content		%	1.29



PANTHER1 SUPREME SYNTHOIL SN 10W40

Description

This motor oil is based on high quality solvent refined mineral and synthetic base oils with a well balanced choice of additives.

Applications

This lubricant is suitable for petrol, LPG and diesel engines, with or without turbo charging, in passenger cars and vans.

- a high and stable viscosity index
- a strong oxidation resistance
- a very fast cold start
- a safe lubrication film at high temperatures
- good detergency and dispersion power
- a strong protection against wear, corrosion and foaming

Performance Level

ACEA A3/B4
API SN/CF
MB 229.1
RN0700
VW501.01/505.00

Characteristics

	Unit	Average Value
Density at 15 °C	Kg/l	0,860
Viscosity 40 C	mm ² /s	90.40
Viscosity 100 °C	mm ² /s	13.70
Viscosity -25 °C	mPas	4930
Viscosity Index		154
Flash Point COC	°C	224
Pour Point	°C	-39
Total Base Number	mgKOH/g	10.4
Sulphated Ash Content	%	1.31



PANTHER1 SUPREME SYNTHOIL 10W30

Description

This synthetic based lubricant is especially developed to meet ACEA A3/B4. It is designed for the lubrication of four-stroke gasoline and diesel cars, including diesel engines with direct injection such as Common Rail, HDI or CDI.

Applications

4-stroke diesel engines with or without turbo of passenger cars. 4-stroke gasoline engines.

Performance Level

ACEA: A3/B3

ACEA: A3/B4

API: SM/CF

MB: 229.1

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,869
Viscosity 40 C		mm ² /s	74.90
Viscosity 100 °C		mm ² /s	11.80
Viscosity -25 °C		mPas	5070
Viscosity Index			153
Flash Point COC		°C	218
Pour Point		°C	-36
Total Base Number		mgKOH/g	8.0
Sulphated Ash Content		%	1.02



PANTHER1 FULL SYNTHETIC 5W40

Description

This is a full synthetic lubricant based on carefully selected very high quality base oils and high quality additives of the latest generation, specially designed to meet the strict requirements of manufacturers. This provides an excellent fluidity at low temperatures, a very low resistance when starting, an exceptional viscosity index and a very high thermal stability.

Applications

A universal, special composed synthetic motor oil recommended for use in petrol and diesel engines, with or without turbo-charging, in passenger cars and delivery vans for which the most modern specifications are required.

Performance Level

ACEA: A3/B4
API: SN/CF
BMW: LONGLIFE-01
MB: 226.5, 229.3
OPEL: GM-LL-B-025
Fiat 9.55535-M2
PORSCHE: A40
PSA: B71 2296
RENAULT: RN 0700, RN 0710
VW: 502 00, 505 00, 505 01

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,853
Viscosity 40 C		mm ² /s	90.2
Viscosity 100 °C		mm ² /s	15.00
Viscosity -35 °C		mPas	5740
Viscosity Index			175
Flash Point COC		°C	223
Pour Point		°C	-42
Total Base Number		mgKOH/g	10.5
Sulphated Ash Content		%	1.33



PANTHER1 SYNTRONIC LONGLIFE 5W30

Description

This is a full synthetic lubricant based on carefully selected very high quality base oils, formulated using the latest technology for Mid SAPS catalyst compatible engine oils.
Its special formulation combines fuel economy with an extended service life.
The reduced ash formulation protects particulate filters and exhaust after-treatment devices (Compatible with DPF).

Applications

This dexos 2™ approved oil is required for all new GM/Opel/Vauxhall/Chevrolet diesel and gasoline models. GM/Opel has advised that the dexos 2™ specification is backward compatible to older GM/Opel specifications (GM-LL-A-025 and GM-B-LL-025). The majority of GM/Opel/Vauxhall/Chevrolet diesel and gasoline vehicles can use dexos 2™ lubricants.
C2* meets all engine protection requirements of ACEA C2.

Officially approved

MB: 229.52
GM: DEXOS 2

Performance Level

ACEA: C2/C3
API: SN/CF
BMW: LONGLIFE-04
VW: 502 00
VW: 505 00
VW: 505 01
Opel: OV0401547
GM: DEXOS 2
MB: 229.51
MB: 229.52
RENAULT: RN17 Level

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0,851
Viscosity -30 °C		mPa.s	6136
Viscosity 40 °C		mm²/s	72,60
Viscosity 100 °C		mm²/s	12,50
Viscosity Index			172
Flash Point COC		°C	230
Pour Point		°C	-36
Total Base Number		mgKOH/g	7,4
Sulfated Ash Content		%	0,78



PANTHER1 SKYTECH SUPRA 5W20

Description

A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives.

Applications

A fuel economy, special composed synthetic motor oil recommended for use in petrol engines of passenger cars, which prescribe an oil with the specification GM dexos1™ Gen 2
It is suitable for hybrid cars when the OEM specifications are met.

- ✓ a lower fuel consumption
- ✓ a high and very stable viscosity index
- ✓ a high resistance against shearing
- ✓ a fast cold start
- ✓ a very strong resistance against oxidation
- ✓ a safe lubrication film at very high temperatures
- ✓ a very good detergency and dispersion
- ✓ a very strong protection against wear, corrosion and foaming

Performance Level

API: SP Resource Conserving

ILSAC: GF-6A

GM: DEXOS 1 (TM) GEN 2

CHRYSLER: MS6395

FORD: WSS-M2C945-A / WSS-M2C960-A1

FIAT: 9.55535-CR1

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0,852
Viscosity -30 °C		mPa.s	3940
Viscosity 40 °C		mm²/s	48.00
Viscosity 100 °C		mm²/s	8.80
Viscosity Index			158
Flash Point COC		°C	226
Pour Point		°C	-33
Total Base Number		mgKOH/g	8.5
Sulfated Ash Content		%	0,89



PANTHER1 FULL SYNTHETIC 0W40

Description

This is a full synthetic lubricant based on carefully selected very high quality base oils of the latest generation, with a large field of application. It offers an excellent fluidity at low temperature, which ensures instant lubrication after starting. This will bring wear to a minimum. Because of its low viscosity, it is fuel-saving.

Applications

All 4-stroke gasoline engines, four-valve, turbocharged, and 4-stroke diesel engines with or without turbo. This oil is not suitable for diesel particulate filters.

Performance Level

ACEA: A3/B4
API: SN
BMW: LONGLIFE-01
FORD: WSS-M2C937-A
MB: 229.5
PORSCHE: A40
RENAULT: RN 0700
RENAULT: RN 0710
VW: 502 00
VW: 505 00

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,846
Viscosity 40 C		mm ² /s	83.70
Viscosity 100 °C		mm ² /s	14.00
Viscosity -35 °C		mPas	6000
Viscosity Index			173
Flash Point COC		°C	232
Pour Point		°C	-46
Total Base Number		mgKOH/g	10.5
Sulphated Ash Content		%	1.33



PANTHER1 LONGTECH SP 0W30

Description

This is a full synthetic lubricant based on carefully selected very high quality base oils.

This oil is specifically formulated to meet both the BMW Longlife-12 FE and the Ford WSS M2C950-A specification. It is adapted to meet the requirements of the latest technology, highly engineered turbo engines requiring high performance and lower viscosity oils.

Applications

This product is mandatory in the newest BMW and Ford gasoline and diesel engines. It provides a multi vehicle application through the ACEA C2 specification. Optimum formulation for today's cars with exceptional film strength preventing oil film breakdown and reducing friction providing fuel economy and reliability. It is suitable for hybrid cars when the OEM specifications are met.

Performance Level

ACEA: C2

API: SN Plus

API: SP

ILSAC: GF-5

BMW: LONGLIFE-12 FE

DTFR 15D100

FIAT: 9.55535-DS1, FIAT: 9.55535-GS1

FORD: WSS-M2C950-A

JAGUAR-LAND ROVER: STJLR.03.5007

MB: 227.61, MB: 229.61

OPEL: OV 040 1547 – G30

		Unit	Average Value
Density at 15 °C		Kg/l	0,843
Viscosity 40 C		mm ² /s	48.30
Viscosity 100 °C		mm ² /s	9.80
Viscosity Index			194
Flash Point COC		°C	224
Pour Point		°C	-48
Total Base Number		mgKOH/g	9.4



PANTHER1 ECOTECH LONGLIFE IV 0W20

Description

A fuel economy, fully synthetic motor oil, developed according the most recent technology, based on specially selected fully synthetic base oils and a well balanced choice of advanced additives.

Applications

This fuel economy, specially composed motor oil, is recommended for use in petrol and diesel engines, with or without turbo-charging, in passenger cars and delivery vans with extended oil drain intervals. This motor oil also contributes to the extension of the lifetime of particle filters. This oil can only be used in engines which prescribe an oil with the specification VW 508.00/509.00.

- lower fuel consumption
- reduced formation of combustion residues (mid SAPS)
- a very fast cold start
- a safe lubrication film at high temperatures
- extended oil drain intervals
- a very good detergency and dispersion
- a very strong protection against wear, corrosion and foaming
- green color

Performance Level

ACEA C5
API SN, SN+
FIAT: 9.55535-DM1
VW 508.00/509.00
PORSCHE: C20

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,832
Viscosity 40 C		mm ² /s	39.30
Viscosity 100 °C		mm ² /s	7.93
Viscosity -35 °C		mPas	3330
Viscosity Index			179
Flash Point COC		°C	220
Pour Point		°C	-57
Total Base Number		mgKOH/g	8.3
Sulphated Ash Content		%	0.78



PANTHER1 SKYTECH SUPRA 0W20

Description

A modern, synthetic, fuel economy motor oil based on special selected synthetic base oils with a high viscosity index and a well balanced choice of advanced additives.

Applications

A fuel economy, special composed synthetic motor oil recommended for use in petrol engines of passenger cars, which prescribe an oil with the specification GM dexos1™ Gen 2

It is suitable for hybrid cars when the OEM specifications are met.

- a lower fuel consumption
- a high and very stable viscosity index
- a high resistance against shearing
- a fast cold start
- a very strong resistance against oxidation
- a safe lubrication film at very high temperatures
- a very good detergency and dispersion
- a very strong protection against wear, corrosion and foaming

Performance Level

API: SN Plus

API: SP/RC

API: SN/RC

API: SP

ILSAC: GF-5 / GF-6A

GM: DEXOS 1 (TM) GEN 2

CHRYSLER: MS6395

FIAT 9.55535-CR1 / 9.55535-GSX

FORD: WSS-M2C945-A

FORD: WSS-M2C946-A

FORD: WSS-M2C947-A

FORD: WSS-M2C962-A

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0,843
Viscosity -35 °C		mPa.s	4940
Viscosity 40 °C		mm²/s	44.00
Viscosity 100 °C		mm²/s	8.60
Viscosity Index			178
Flash Point COC		°C	222
Pour Point		°C	-39
Total Base Number		mgKOH/g	8.5
Sulfated Ash Content		%	0,89



PANTHER1 SKYTECH SUPRA 0W16

Description

A fuel economy SAE 0W16 motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives..

Applications

This fuel economy, specially composed SAE 0W16 motor oil, is recommended for use in petrol engines in passenger cars of Japanese OEMs, equipped with the latest techniques.
It is suitable for hybrid cars when the OEM specifications are met.

- a lower fuel consumption
- a high and stable viscosity index
- a good resistance against shearing
- a very fast cold start, even at low temperatures
- a safe lubrication film at high temperatures
- a very good detergency and dispersion power
- a very strong protection against wear, corrosion and foaming

Performance Level

API: SP Resource Conserving
ILSAC: GF-6B

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,846
Viscosity 40 C		mm ² /s	37.90
Viscosity 100 °C		mm ² /s	7.10
Viscosity -35 °C		mPas	5830
Viscosity Index			154
Flash Point COC		°C	216
Pour Point		°C	-39
Total Base Number		mgKOH/g	7.2
Sulphated Ash Content		%	0.88



PANTHER1 ECOSYNTH 0W8

Description

A fuel economy motor oil, developed according the most recent technology, based on specially selected synthetic base oils and a well balanced choice of advanced additives.

Applications

A fuel-saving, specially formulated motor oil, suitable for certain petrol engines of (hybrid powered) passenger cars, mainly from Japanese manufacturers, which are equipped with the latest technology.

- a lower fuel consumption
- a high and stable viscosity index
- a good resistance against shearing
- a very fast cold start, even at very low temperatures
- a safe lubrication film at very high temperatures
- a very good detergency and dispersion power
- a very strong protection against wear, corrosion and foaming.

Performance Level

JASO GLV-1

Characteristics

		Unit	Average Value
Density at 15 °C		Kg/l	0,846
Viscosity 40 C		mm ² /s	26.00
Viscosity 100 °C		mm ² /s	5.24
Viscosity -35 °C		mPas	4190
Viscosity Index			140
Flash Point COC		°C	232
Pour Point		°C	-45
Total Base Number		mgKOH/g	6.9
Sulphated Ash Content		%	0.78