

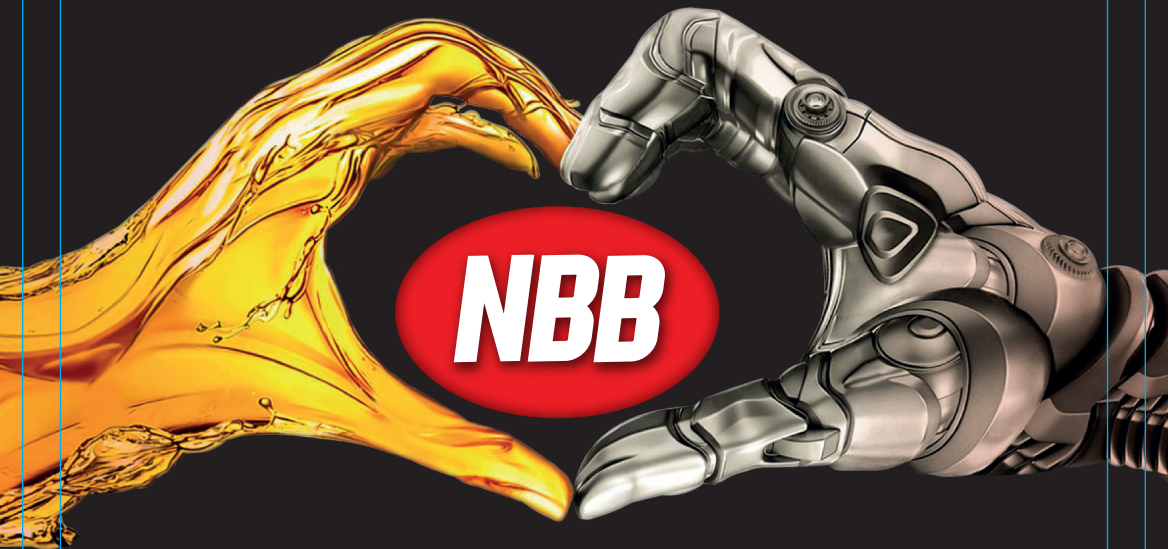
NBB[®]

Motor Engine Oil

PRODUCT BROCHURE



Golden International Lubricants-L.L.C.



About Us

NBB Lubricants produced from highest quality base oil and advanced technology additives to give the optimum performance and long lasting protection for engines in all conditions.

We Incorporate the best methodologies to produce lubricants which define excellence. Our focus is to constantly improve on forever changing values of viscosities by researching the limitless possibilities of oil production and incorporating that knowledge into our products.

Quality Control

The factory is using strictly only the best virgin base oil accompanied by the best additives from the most reputed manufacturers in the world. We have seriously invested in the best advanced testing equipment to ensure the same correct results every time.

Storage

A perfect production should always end with the best storage facility. Our huge covered and well ventilated warehouse is our insurance that the final production is in the safest possible environment for delivering it in its best original condition every time.

Manufacturing

The company has realized that the key of delivering the best in quality and value is by being independent in every step of the production process. We have a complete production line, starting from the many storage tanks in various size and capacities.

Delivery

Time is money. It is a simple fact but it is the heart of any successful business. The customer required an immediate respond with the most accurate delivery time. Dealing with best delivery and shipping companies insuring that our efforts to produce the best quality will continue in sage hand until the final destination.

FULLY-SYNTHETIC
API SP

SAE 0W16

PRODUCT DESCRIPTION

This product has excellent speed bearing protection, excellent sludge control and compatibility with polymeric materials which are used in hybrid engines. Hybrid engines tend to operate at load/speed conditions related to high efficiency points to maximize fuel efficiency. Also, the engine does not operate all the time due to the introduction of start/stop technology, fuel shut off during deceleration, etc. Thus, engine oil tends to run cooler than a normal engine. This product is specifically developed to lubricate perfectly in these circumstances. It provides the protection needed for the most recent requirements for gasoline-fueled US and Asian (i.e. Honda, Toyota, Mitsubishi) passenger cars.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Complies with the stringent API SP quality requirements, thus contributing to better engine performance and greater fuel economy.
- Suitable for vehicles for which the ILSAC GF-5 quality level is recommended: Fiat, Lancia, SsangYong and Toyota.
- 3E Technology (Excellent Engine Efficiency): Technology that offers excellent protection for the engine against the formation of deposits at high temperature, greater control of sludge and compatibility with gaskets achieving the maximum efficiency, even with engines that use fuels with ethanol up to E85. This helps to keep the engine cleaner and increases its durability.
- Its viscosity helps to reduce fuel consumption (2.6% according to the VID ASTM D7589 sequence test), thus maintaining protection and also reducing CO2 emissions to the atmosphere, which results in lower environmental impact.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40°C, CST
VISCOSITY AT 100°C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

OW16

SP
230
-49
34.6
6.8
169
6.9

CREDENTIALS & SPECIFICATIONS

- API SP
- ILSAC GF-5



FULLY-SYNTHETIC
API SP

SAE 0W20

PRODUCT DESCRIPTION

Fully synthetic lubricant with 3E Technology formulation, designed to offer the best protection of the engine without compromising on high efficiency. Oil for petrol vehicles which, thanks to its low viscosity, provides fuel economy under normal driving conditions, leading to lower CO2 emissions to the atmosphere and therefore reduced environmental impact. It is especially suited for a wide variety of motorsports applications, towing, and other severe service situations.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Complies with the stringent API SP-RC (Resource Conserving) quality requirements, thus contributing to better engine performance and greater fuel economy.
- Suitable for vehicles for which the ILSAC GF-5 quality level is recommended: Fiat, Lancia, SsangYong and Toyota.
- 3E Technology (Excellent Engine Efficiency): Technology that offers excellent protection for the engine against the formation of deposits at high temperature, greater control of sludge and compatibility with gaskets achieving the maximum efficiency, even with engines that use fuels with ethanol up to E85. This helps to keep the engine cleaner and increases its durability.
- Its viscosity helps to reduce fuel consumption (2.6% according to the VID ASTM D7589 sequence test), thus maintaining protection and also reducing CO2 emissions to the atmosphere, which results in lower environmental impact.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40°C, CST
VISCOSITY AT 100°C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

OW20

SP
238
49
43
8.2
169
7.2

CREDENTIALS & SPECIFICATIONS

- API SP
- ILSAC GF-5



SAE 5W20

FULLY-SYNTHETIC API SN



PRODUCT DESCRIPTION

Fully synthetic lubricant with 3E Technology formulation, designed to offer the best protection of the engine without compromising on high efficiency. Oil for petrol vehicles which, thanks to its low viscosity, provides fuel economy under normal driving conditions, leading to lower CO2 emissions to the atmosphere and therefore reduced environmental impact. It is especially suited for a wide variety of motor sports applications, towing, and other severe service situations.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Complies with the stringent API SN – RC (Resource Conserving) quality requirements, thus contributing to better engine performance and greater fuel economy.
- Suitable for vehicles for which the ILSAC GF5- quality level is recommended: Fiat, Lancia, SsangYong and Toyota.
- 3E Technology (Excellent Engine Efficiency): Technology that offers excellent protection for the engine against the formation of deposits at high temperature, greater control of sludge and compatibility with gaskets achieving the maximum efficiency, even with engines that use fuels with ethanol up to E85. This helps to keep the engine cleaner and increases its durability.
- Its viscosity helps to reduce fuel consumption (%2.6 according to the VID ASTM D7589 sequence test), thus maintaining protection and also reducing CO2 emissions to the atmosphere, which results in lower environmental impact.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40 °C, CST
VISCOSITY AT 100 °C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

5W20

SN
230
-49
50
8.5
165
6.9

CREDENTIALS & SPECIFICATIONS

- API SN
- ILSAC GF-5

SAE 5W30

FULLY-SYNTHETIC API SN



PRODUCT DESCRIPTION

Fully synthetic lubricant with 3E Technology formulation, designed to offer the best protection of the engine without compromising on high efficiency. Oil for petrol vehicles which, thanks to its low viscosity, provides fuel economy under normal driving conditions, leading to lower CO2 emissions to the atmosphere and therefore reduced environmental impact. It is especially suited for a wide variety of motor sports applications, towing, and other severe service situations.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Complies with the stringent API SN–RC (Resource Conserving) quality requirements, thus contributing to better engine performance and greater fuel economy.
- Suitable for vehicles for which the ILSAC GF5- quality level is recommended: Fiat, Lancia, SsangYong and Toyota.
- 3E Technology (Excellent Engine Efficiency): Technology that offers excellent protection for the engine against the formation of deposits at high temperature, greater control of sludge and compatibility with gaskets achieving the maximum efficiency, even with engines that use fuels with ethanol up to E85. This helps to keep the engine cleaner and increases its durability.
- Its viscosity helps to reduce fuel consumption (%2.6 according to the VID ASTM D7589 sequence test), thus maintaining protection and also reducing CO2 emissions to the atmosphere, which results in lower environmental impact.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40 °C, CST
VISCOSITY AT 100 °C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

5W30

SN
235
-45
70
12.4
165
7.2

CREDENTIALS & SPECIFICATIONS

- API SN
- ACEA A3/B40-4, C3
- BMW LL-04
- MB-APPROVAL 229.51/229.52
- VW 502.00 / 505.00/ 505.01

FULLY-SYNTHETIC
API SN

SAE 5W40

PRODUCT DESCRIPTION

Fully synthetic lubricant, especially designed to get the high performance required by high-end vehicle engines. This lubricant stands out for its specific Long-Life properties and wear protection. Its viscosity and the use of most advanced components provide exceptional deposit control to large capacity engine, even under the most extreme environmental and operating conditions.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Its viscosity facilitates start-up, especially at very low temperatures, thereby preventing premature engine wear.
- Tests conducted show high resistance to oxidation and minimum sludge and waste formation, ensuring engine cleanliness and life.
- Recommended for high-end passenger cars and particularly for Mercedes-Benz, BMW, Porsche, Audi/VW and Renault engines.
- Its high thermal stability and the synthetic nature of its composition allow for longer periods between oil changes and minimizes lubricant consumption.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40 °C, CST
VISCOSITY AT 100 °C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

5W40

SN
240
-45
98
15.2
166
7.2

CREDENTIALS & SPECIFICATIONS

- API SN
- ILSAC GF-5



FULLY SYNTHETIC
API SN

SAE 10W30

PRODUCT DESCRIPTION

Fully synthetic lubricant, especially designed to get the high performance required by high-end vehicle engines. This lubricant stands out for its specific Long-Life properties and wear protection. Its viscosity and the use of most advanced components provide exceptional deposit control to large capacity engine, even under the most extreme environmental and operating conditions.

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- Recommended for high-end passenger cars and particularly for Mercedes-Benz, BMW, Porsche, Audi/VW and Renault engines.
- Its high thermal stability and the synthetic nature of its composition allow for longer periods between oil changes and minimizes lubricant consumption.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40 °C, CST
VISCOSITY AT 100 °C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.T

10W30

SN
228
-42
80
12.3
150
7.2

CREDENTIALS & SPECIFICATIONS

- API SN
- ACEA A3/B3, A3/B4
- VW 502.00/505.00 (SUITABLE FOR VW 501.01)
- MB 229.31



SAE 10W40

SYNTHETIC API SN



PRODUCT DESCRIPTION

Multigrade lubricant oil with synthetic base specially indicated for use in modern car engines, whether petrol or diesel powered, due to its exceptional package of additives. Its thermal stability favors lower product deterioration, thereby optimizing oil change periods. Another of its advantages is its high resistance to shearing. Due to its low cold viscosity and high fluidity it also favors engine start-up and effectively protects systems equipped with hydraulic tappets.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Suitable for the petrol and diesel engines of most manufacturers that require a no-service, long-life lubricant.
- The synthetic base oils in its composition and its high shear stability mean wear is minimized under all engine use conditions, from cold starts to the high temperatures reached when driving.
- The engine tests conducted to pass the MB and VW manufacturer's quality levels ensure engine cleanliness and therefore a significant benefit in engine life.

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40 °C, CST
VISCOSITY AT 100 °C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

TYPICAL CHARACTERISTICS

10W40

SN
240
-39
96
15.4
144
7.2

CREDENTIALS & SPECIFICATIONS

- API SN
- ACEA A3/B3, A3/B4
- VW 502.00/505.00 (SUITABLE FOR VW 501.01)
- MB 229.31

SAE 15W40

SYNTHETIC BLEND API CI-4/SL



PRODUCT DESCRIPTION

Top High-Performance Diesel (THPD) lubricant oil designed to meet the requirements of the most demanding latest generation diesel engines. It exceeds traditional SHPD performance levels. A product specifically designed for the most modern vehicles that require ACEA E7, API CI-4 lubricants, it is especially suitable for those that must comply with EURO III, EURO IV or EURO V standards according to manufacturer's specifications.

BENEFITS

- Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.
- Multi-grade oil suitable for all weather conditions. Excellent pumping on ignition.
- High dispersing detergent power that assures total cleaning of engine elements. Exceptional soot dispersion capacity, which makes it especially recommended for engines that incorporate EGR type emission reduction systems.
- Its selected components endow it with enhanced shearing resistance, maintaining its design viscosity during the life of the oil.
- Oil designed to comply with contaminating emission reduction standard EURO IV and previous, which also increases performance compared to traditional heavy diesel oils.

SAE GRADE

API GRADE
DENSITY AT 15 °C
VISCOSITY AT 100 °C
VISCOSITY AT 40 °C
VISCOSITY AT -20 °C
VISCOSITY INDEX
FLASH POINT, OPEN CUP
POUR POINT
T. B. N.
BOSCH INJECTOR SHEARING: VISCOSITY AT 100 °C AFTER 90 CYCLE SHEARING
NOACK VOLATILITY, 1HR AT 250 °C

TYPICAL CHARACTERISTICS

15W40

CI-4/SL
0.868
15.6
118
7000 MAX.
140
240
-27 MAX
11.8
12.5 MIN.
13

CREDENTIALS & SPECIFICATIONS

- ACEA E7/E5
- MAN 3275-1
- MACK EO-N
- API CI-4/SL
- RVI RLD/RLD-2
- CUMMINS 20076/20077/20078
- MB 228.5
- DEUTZ QC II-10
- VOLVO VDS-3
- DETROIT DIESEL 93K215
- CAT ECF-1 A/CAT ECF-2
- GLOBAL DHD-1

SYNTHETIC BLEND
API CI-4/SL

SAE 20W50

PRODUCT DESCRIPTION

Fully synthetic lubricant, especially designed to get the high performance required by high-end vehicle engines. This lubricant stands out for its specific Long-Life properties and wear protection. Its viscosity and the use of most advanced components provide exceptional deposit control to large capacity engine, even under the most extreme environmental and operating conditions.

BENEFITS

This Lubricant provides the following benefits when used as recommended:

- Its viscosity facilitates start-up, especially at very low temperatures, thereby preventing premature engine wear.
- Tests conducted show high resistance to oxidation and minimum sludge and waste formation, ensuring engine cleanliness and life.
- Recommended for high-end passenger cars and particularly for Mercedes- Benz, BMW, Porsche, Audi/VW and Renault engines.
- Its high thermal stability and the synthetic nature of its composition allow for longer periods between oil changes and minimizes lubricant consumption.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
FLASH POINT, °C
POUR POINT, °C
VISCOSITY AT 40°C, CST
VISCOSITY AT 100°C, CST
VISCOSITY INDEX
TOTAL BASE NO., MIN.

20W50

CI-4/SL
246
-27
182
20.4
130
11.2

CREDENTIALS & SPECIFICATIONS

- API CI-4/ SL
- ACEA A3/B4
- MB 229.1



PREMIUM MINERAL
API CH-4

SAE 25W70

PRODUCT DESCRIPTION

Top High-Performance Diesel (THPD) lubricant oil designed to meet the requirements of the most demanding latest generation diesel engines. It exceeds traditional SHPD performance levels. A product specifically designed for the most modern vehicles that require ACEA E7, API CH-4 lubricants, it is especially suitable for those that must comply with EURO III, EURO IV or EURO V standards according to manufacturer's specifications.

BENEFITS

- Can be used when biodiesel is used as a fuel, following the recommended change periods established by the manufacturers.
- Multi-grade oil suitable for all weather conditions. Excellent pumping on ignition.
- High dispersing detergent power that assures total cleaning of engine elements. Exceptional soot dispersion capacity, which makes it especially recommended for engines that incorporate EGR type emission reduction systems.
- Its selected components endow it with enhanced shearing resistance, maintaining its design viscosity during the life of the oil.

TYPICAL CHARACTERISTICS

SAE GRADE

API GRADE
DENSITY AT 15 °C
VISCOSITY AT 100 °C
VISCOSITY AT 40 °C
VISCOSITY AT -20 °C
VISCOSITY INDEX
FLASH POINT, OPEN CUP
POUR POINT
T. B. N.
BOSCH INJECTOR SHEARING: VISCOSITY AT 100 °C AFTER 90 CYCLE SHEARING
NOACK VOLATILITY, 1HR AT 250 °C

25W70

CH-4
0.892
28.5
305
7000 MAX.
126
260
-27 MAX.
11.4
12.5 MIN.
13% MAX.

CREDENTIALS & SPECIFICATIONS

- ACEA E7/E5
- MAN 3275-1
- MACK EO-N
- API CH-4
- RVI RLD/RLD-2
- CUMMINS 20076/20077/20078
- MB 228.3
- DEUTZ DQC II-10
- VOLVO VDS-3
- DETROIT DIESEL 93K215
- CAT ECF-1-A/CAT ECF-2
- GLOBAL DHD-1



SAE 40

PREMIUM MINERAL API CF-4



PRODUCT DESCRIPTION

Monograde lubricant oil for heavy, natural aspiration or turbocharged diesel engines where an API CF-4 quality standard is required. Its viscosity enables it to be used in operating conditions with high ambient temperatures.

BENEFITS

- Guarantees good lubrication in normal service conditions.
- Prevents the formation of lacquers and varnishes thanks to its dispersant additives.
- Its detergent capacity keeps combustion residue under control, thus preventing it from being deposited in the engine.
- Its viscosity allows it to be used in warm atmospheres.
- It maintains an adequate pressure and temperature under all service conditions.

SAE GRADE

API GRADE
DENSITY AT 15 °C
VISCOSITY AT 100 °C
VISCOSITY AT 40 °C
VISCOSITY INDEX
FLASH POINT, OPEN POINT
POUR POINT
T. B. N.
BOSCH INJECTOR SHEARING: VISCOSITY AT 100 °C AFTER SHEARING
NOACK VOLATILITY, 1HR AT 250 °C
HTHS, VISCOSITY AT 150 °C

TYPICAL CHARACTERISTICS

SAE-40

CF-4
0.884
15.6
165
95 MIN.
240 MIN.
-27
11.8
18.48
2.9
>3.7

CREDENTIALS & SPECIFICATIONS

- API CF-4
- ACEA/E7

SAE 50

PREMIUM MINERAL API CF-4



PRODUCT DESCRIPTION

Monograde lubricant oil for heavy, natural aspiration or turbocharged diesel engines where an API CF-4 quality standard is required. Its viscosity enables it to be used in operating conditions with high ambient temperatures.

BENEFITS

- Guarantees good lubrication in normal service conditions.
- Prevents the formation of lacquers and varnishes thanks to its dispersant additives.
- Its detergent capacity keeps combustion residue under control, thus preventing it from being deposited in the engine.
- Its viscosity allows it to be used in warm atmospheres.
- It maintains an adequate pressure and temperature under all service conditions.

SAE GRADE

API GRADE
DENSITY AT 15 °C
VISCOSITY AT 100 °C
VISCOSITY AT 40 °C
VISCOSITY INDEX
FLASH POINT, OPEN POINT
POUR POINT
T. B. N.
BOSCH INJECTOR SHEARING: VISCOSITY AT 100 °C AFTER SHEARING
NOACK VOLATILITY, 1HR AT 250 °C
HTHS, VISCOSITY AT 150 °C

TYPICAL CHARACTERISTICS

SAE-50

CF-4
0.902
20.6
155
95 MIN.
250 MIN.
-27
11.8
18.48
2.9
>3.7

CREDENTIALS & SPECIFICATIONS

- API CF-4
- ACEA/E7

**PREMIUM MINERAL
API CH-4**

SAE 70

PRODUCT DESCRIPTION

Monograde lubricant oil recommended for high mileage diesel vehicles. The bases and additives used in the formulation enable reduced leaks and oil consumption due to the sealant effect produced on the most worn parts of the engine, guaranteeing maximum protection.

BENEFITS

- Excellent control of oxidation and sludge that can form as a result of combustion. Control of these parameters is vitally important for vehicles subjected to high mileage and heavy conditions of use.
- Seals and helps reduce oil leaks, thus reducing oil consumption.
- Its alkaline reserve (TBN) enables it to protect the engine against corrosion by neutralizing the acids formed in the combustion of diesels with different Sulphur content.
- It maintains the proper pressure at any temperature and in all working conditions.
- Its detergent-dispersant power maintains combustion residue in suspension, good cleanliness of cold engine parts even with longer change intervals.
- Protects worn parts of the engine thanks to its anti-wear additive constituents.

TYPICAL CHARACTERISTICS

SAE GRADE

| | |
|--|----------|
| API GRADE | CH-4 |
| DENSITY AT 15 °C | 0.899 |
| VISCOSITY AT 100 °C | 27.8 |
| VISCOSITY AT 40 °C | 385 |
| VISCOSITY INDEX | 98 |
| FLASH POINT, OPEN CUP | 260 MIN. |
| POUR POINT | -27 |
| T. B. N. | 11.8 |
| BOSCH INJECTOR SHEARING: VISCOSITY AT 100 °C AFTER SHEAR | 20.4 |
| NOACK VOLATILITY, 1HR AT 250 °C | 4.1 |

SAE-70

| |
|----------|
| CH-4 |
| 0.899 |
| 27.8 |
| 385 |
| 98 |
| 260 MIN. |
| -27 |
| 11.8 |
| 20.4 |
| 4.1 |



CREDENTIALS & SPECIFICATIONS

- | | | |
|-----------------|-----------------------------|-------------------------|
| • ACEA E5 | • RVI RLD/RLD-2 | • VOLVO VDS-3 |
| • MAN 3275-1 | • CUMMINS 20076/20077/20078 | • DETROIT DIESEL 93K215 |
| • MACK EO-N | • MB 228.3 | • CAT ECF-1-A/CAT ECF-2 |
| • API CH-4/CF-4 | • DEUTZ DQC II-10 | • GLOBAL DHD-1 |

**PREMIUM MINERAL
API GL-4**

SAE 90

PRODUCT DESCRIPTION

Monograde lubricant oil for manual gearboxes that require quality level API GL-4. Available in different viscosities according to manufacturers' recommendations and temperature at the time of starting the vehicle.

BENEFITS

- Protects gears against moisture, preventing corrosion and increasing transmission life.
- Excellent compatibility with bronze and copper elements of gearbox synchronizers, allowing for smoother gear changes.
- Prevents foam formation, maintaining constant lubrication of all components and preventing the fatigue wear characteristic of gears.
- Approved by most industrial vehicle manufacturers.

TYPICAL CHARACTERISTICS

SAE GRADE

| | |
|---------------------|---------|
| API GRADE | GL-4 |
| DENSITY AT 15 °C | 0.900 |
| VISCOSITY AT 100 °C | 15.6 |
| VISCOSITY AT 40 °C | 152 |
| VISCOSITY INDEX | 93 MIN. |
| FLASH POINT, V/A | 250 |
| POUR POINT | -21 |

SAE-90

| |
|---------|
| GL-4 |
| 0.900 |
| 15.6 |
| 152 |
| 93 MIN. |
| 250 |
| -21 |



CREDENTIALS & SPECIFICATIONS

- | | | |
|---------------------------------|--|--|
| • API GL-4 | • DAF TRANSMISSIONS (SAE 80W AND 90) | • VW 726 (SAE 80W AND 90) |
| • MB 235.1 (SAE 80W AND 90) | • RENAULT TRANSMISSIONS (SAE 80W AND 90) | • ZF TE-ML 08/17A (SAE 80W) |
| • ZF TE-ML 16A/17A/19A (SAE 90) | | • IVECO TRANSMISSIONS (SAE 80W AND 90) |

SAE 140

HIGH PERFORMANCE TRANSMISSION OIL API GL-4



PRODUCT DESCRIPTION

Monograde lubricant oil for manual gearboxes that require quality level API GL-4. Available in different viscosities according to manufacturers' recommendations and temperature at the time of starting the vehicle.

BENEFITS

- Protects gears against moisture, preventing corrosion and increasing transmission life.
- Excellent compatibility with bronze and copper elements of gearbox synchronizers, allowing for smoother gear changes.
- Prevents foam formation, maintaining constant lubrication of all components and preventing the fatigue wear characteristic of gears.
- Approved by most industrial vehicle manufacturers.

SAE GRADE

API GRADE
DENSITY AT 15 °C
VISCOSITY AT 100 °C
VISCOSITY AT 40 °C
VISCOSITY INDEX
FLASH POINT, V/A
POUR POINT

TYPICAL CHARACTERISTICS

SAE-140

GL-4
0.909
27.8
370
97 MIN.
270
-15

CREDENTIALS & SPECIFICATIONS

- API GL-4
- MB 235.1 (SAE 80W AND 90)
- ZF TE-ML 16A/17A/19A (SAE 90)
- DAF TRANSMISSIONS (SAE 80W AND 90)
- RENAULT TRANSMISSIONS (SAE 80W AND 90)
- VW 726 (SAE 80W AND 90)
- ZF TE-ML 08/17A (SAE 80W)
- IVECO TRANSMISSIONS (SAE 80W AND 90)







NBB®