



# PRODUCT CATALOGUE

**Premium Class**  
High Performance Motor Oil & Lubricants

**AUTOMOTIVELUBRICANTS, INDUSTRIAL OILS AND GREASES**

[www.strongenerji.com](http://www.strongenerji.com)



MOTOR OIL & LUBRICANTS

**ROUTE**  
LUBRICANTS

Vehicle and Light Commercial Motor Oils







## 0W16 SN/CF

is specially formulated to meet the specific needs of hybrid electric vehicles, such as HEV, PHEV and BEV with Range Extender, where multiples unexpected stops and starts of the Gasoline engine are involved during the different operating phases of the hybrid vehicle. This particular mode of operation of the internal combustion engine on a hybrid vehicle generates very specific constraints for the lubricant, and in this, ROUTE HYBRID 0W-16 fully meets all these

### SPECIFICATIONS

API SN / CF, RC, ILSAC GF-5 ACEA A3

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## 0W20 SN/CF

The blend of effective synthetic oils ultimate additive technology meets the demand for the absolute best performance in engine oil with low viscosity and high stability. It reliably inhibits deposit formation, reduces friction losses and protects against wear. It creates better engine performance for modern and old engines. It is the most advanced new generation motor oil providing superior and long-lasting engine protection, especially for stop and go city traffic use.

### SPECIFICATIONS

API SN/CF, ILSAC GF-5

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## 5W20 SN/CF

is a synthetic engine oil that fullfills the performance requirements of new technology engines. Also it can be used in other diesel or gasoline engines of passenger vehicles and light duty vehicles. Its special formula improves efficiency of exhaust gas a□er treatment systems such as Diesel Particulate Filter (DPF) and Three Way Catalyst (TWC) and extends their service life

### SPECIFICATIONS

API SN / CF, ACEA C2, GM DEXOS 2, ACEA A1/B1, FIAT 9.55535-S1, PSA B712290, RENAULT RN 700E

Technical information on last page



## 5W30 SN/CF

is a synthetic engine oil that fullfills the performance requirements of new technology engines. Also it can be used in other diesel or gasoline engines of passenger vehicles and light duty vehicles. Its special formula improves efficiency of exhaust gas a□er treatment systems such as Diesel Particulate Filter (DPF) and Three Way Catalyst (TWC) and extends their service life.

### SPECIFICATIONS

API SN / CF, MB-APPROVAL 229.51, VW 507 00 / 504 00, PERFORMANCES, ACEA C3, BMW LL-04, PORSCHE C30

Technical information on last page





## 5W30 SL/CF

is a synthetic fuel economy engine oil which is developed for gasoline or diesel engines of passenger vehicles and light commercial vehicles. It provides effective wear protection due to its specially developed additives and high quality base oils. It is suitable to use in gasoline or diesel engines of passenger vehicles and light commercial vehicles.

**SPECIFICATIONS**  
API SL/CF, ACEA A5/B5, A1/B1, FORD WSS-M2C913-D,  
RENAULT RN 0700

Technical information on last page



## 5W40 SM/CF

is a synthetic engine oil which is developed to meet safe driving and long usage requirements of new and modern technology gasoline or diesel engines under extreme operating conditions. High viscosity index base oils and new technology additives in its formula provides superior protection and fuel economy.

**SPECIFICATIONS**  
API SM/CF, ACEA A3/B4, A3/B3, MB-APPROVAL 229.3,  
226.5, PORSCHE A40, RENAULT RN 0710/0700,  
VW 505 01/50200

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## 5W30 SM/CF C-2

Synthetic Low Saps Diesel and Gasoline Engine Oil, designed to help prolong the life and maintain the efficiency of Car Emission Reduction Systems (Diesel Engines: Diesel Particulate Filter DPFs, Gasoline Engines: Three WAY Catalysts – TWCs) Recommended for new generation low saps gasoline/diesel automobiles and light-duty diesel powered engines, specially for TWCs).

### SPECIFICATIONS

API SM/CF, ACEA C2-12, Fiat 9.55535-S1, RN 0700, ACEA A1/B1, A5/B5

Technical information on last page



## 5W30 SM/CF C-3

is a synthetic engine oil which is developed to meet safe driving and long usage requirements of new and modern technology gasoline or diesel engines under extreme operating conditions. High viscosity index base oils and new technology additives in its formula provides superior protection and fuel economy.

### SPECIFICATIONS

VW 504.00/507.00, MB Approval 229.51, MB Approval 229.31, API SM/CF, ACEA C3-12, BMW LL-04, Porsche C30

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## 5W30 SM/CF C-4

Synthetic Low Saps Diesel and Gasoline Engine Oil, designed to help prolong the life and maintain the efficiency of Car Emission Reduction Systems (Diesel Engines: Diesel Particulate Filter DPFs, Gasoline Engines: Three WAY Catalysts –TWCs) Recommended for new generation low saps gasoline/diesel automobiles and light –duty diesel powered engines, specially for TWCs).

### SPECIFICATIONS

VW 504.00/507.00, MB Approval 229.51, MB Approval 229.31, API SM/CF, RN 0720, ACEA C4–12

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## 5W30 SN/CF A5-B5/A1-B1

Synthetic Low Saps Diesel and Gasoline Engine Oil, designed to help prolong the life and maintain the efficiency of Car Emission Reduction Systems (Diesel Engines: Diesel Particulate Filter DPFs, Gasoline Engines: Three WAY Catalysts – TWCs) Recommended for new generation low saps gasoline/diesel automobiles and light–duty diesel powered engines, specially.

### SPECIFICATIONS

FORD WSS–M2C913–D, FORD, ACEA A5 /B5–12, A1/B1–12, API SN/CF, WSS–M2C913–C, FORD WSS–M2C913–B, RENAULT RN 0700

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## 0W40 CI-4SL A3

**SPECIFICATIONS**  
API CI-4/SL, MB 228.3/229.1, ACEA 07-E7/B4/A3, ACEA 04-E7/B4/B3/A3

It is fully synthetic motor oil and enhanced with good additives formulation for passenger cars and light diesel vehicles. Meets all the requirements for diesel engines that are produced with modern methods. Unique performance in the four seasons. In all weather and road conditions, provides unparalleled protection in motor with high viscosity index.

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## 5W30 CI-4SL C3

**SPECIFICATIONS**  
API CI-4/SL, ACEA C3-10, VW 504 00/507 00, BMW LC-04, PORSCHE C30, MB 229.51

High-performance, low friction fully synthetic motor oil designed for long-term use in modern motors. The combination of ultimate synthetic oil technology with latest additive generation (mid SAPS technology), guarantees a low viscosity, highly shear resistant engine oil that is sure to prevent deposit build-up, lower friction loss in the engine and provide optimal wear protection.

Technical information on last page





## 5W40 CI-4SL

**SPECIFICATIONS**  
API CI-4 /CH-4

A modern fully synthetic high-performance, low friction engine oil designed for long-term use in modern engines. The combination of ultimate synthetic oil technology with latest additive generation (mid SAPS technology), guarantees a low viscosity, highly shear-resistant engine oil that is sure to prevent deposit build-up, lower friction loss in the engine and provide optimal wear protection.

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## 10W40 CI-4 SL E6

**SPECIFICATIONS**  
ACEA 2010 E6, E7, E9-08 Issue 2, API CI-4, Daimler MB 228.51, MAN M3477, 3271-1, MTU Type 3.1, Volvo VDS-3, CNG, Renault Trucks RXD, RLD-2, RGD, EO-MPlus

High-performance, low friction fully synthetic motor oil designed for long-term use in modern motors. The combination of ultimate synthetic oil technology with latest additive generation (mid SAPS technology), guarantees a low viscosity, highly shear resistant engine oil that is sure to prevent deposit build-up, lower friction loss in the engine and provide optimal wear protection.

Technical information on last page







## 10W40 SL/CF

is a synthetic based engine oil developed to meet high performance requirements of passenger cars and light commercial vehicles. It has been formulated with unique combination of high quality base oils and advanced additive technology to provide superior protection in engine.

### SPECIFICATIONS

API SL/CF, ACEA A3/B3, A3/B4, MB-APPROVAL 229.1  
VW 505 00/50101/500 00

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## 20W50 SL/CF

is an engine oil which meets the lubrication needs of gasoline or diesel engines of passenger vehicles and light commercial vehicles. It provides effective performance in vehicles especially driven in urban traffic.

### SPECIFICATIONS

API SL/CF, ACEA A3/B3, A3/B4

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**ROUTE**  
LUBRICANTS

**Heavy Duty Diesel Motor Oils**



## 10W40 CI-4

is a ultra high performance diesel engine oil for modern heavy commercial vehicles. It offers long oil change interval. The combination of state of the art additive technology with high quality base oils provides excellent oil circulation at cold start, high viscosity index, volatility control and fuel economy.

### SPECIFICATIONS

API CI-4/CH-4/CG-4, ACEA E4/E7, CAT ECF-1-a,  
CUMMINS CES 20078/77, MACK EO-MPLUS, MAN M  
3377/M3277, MB-APPROVAL 228.5

Technical information on last page



## 15W40 CI-4

is a super high performance diesel engine oil which meets the latest performances of the leading engine manufacturers and offers maximum protection in modern technology engines. It protects engine parts against oxidation even at high temperatures. Its special formula improves performance of both low and high mileage diesel engines.

### SPECIFICATIONS

API CI-4/CH-4/CG-4, ACEA E4/E7, CAT ECF-1-a,  
CUMMINS CES 20078/77, MACK EO-MPLUS, MAN M  
3377/M3277, MB-APPROVAL 228.5

Technical information on last page







## 20W50 CI-4

is a ultra high performance diesel engine oil for modern heavy commercial vehicles. It offers long oil change interval. The combination of state of the art additive technology with high quality base oils provides excellent oil circulation at cold start, high viscosity index, volatility control and fuel economy.

### SPECIFICATIONS

API CI-4/CH-4/CG-4, ACEA E4/E7, CAT ECF-1-a,  
CUMMINS CES 20078/77, MACK EO-MPLUS, MAN M  
3377/M3277, MB-APPROVAL 228.5

Technical information on last page



## HD 50 CD/SF

is a super high performance diesel engine oil which meets the latest performances of the leading engine manufacturers and offers maximum protection in modern technology engines. It protects engine parts against oxidation even at high temperatures. Its special formula improves performance of both low and high mileage diesel engines.

### SPECIFICATIONS

API CD/SF, CF/SF, CC/SC

Technical information on last page





### 15W40 CF-4

is a diesel engine oil that is developed with combination of modern technology additives and high quality base oils. It completely fulfills the lubrication requirements of naturally aspirated or turbocharged diesel engines of heavy duty vehicles. Its special formula keeps engine parts clean and provides effective protection especially in frequently used and high mileage diesel engines.

#### SPECIFICATIONS

API CF-4, ACEA E7, CAT ECF-1-a, CUMMINS 20076 / 77, MACK EO-M PLUS, EO-N, MAN 3275, MB-APPROVAL 228.3

Technical information on last page



### 20W50 CF-4

is a diesel engine oil that is developed with combination of modern technology additives and high quality base oils. It can be used safely in heavy duty vehicles operating in construction, transportation and agricultural sectors. Its special formula keeps engine parts clean and provides effective protection especially in frequently used and high mileage diesel engines.

#### SPECIFICATIONS

API CF-4, ACEA E7, CAT ECF-1-a, CUMMINS 20076 / 77, MACK EO-M PLUS, EO-N, MAN 3275, MB-APPROVAL 228.3

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**ROUTE**  
LUBRICANTS

Four & Two-Stroke Motor Oils







## 4T 10W40

is a synthetic based motorcycle oil which is formulated with special base oils to meet the lubrication requirements of air or water cooled 4-stroke engines of scooters. It provides a high degree of anti-wear protection for stressed components and excellent cleanliness for pistons, rings, combustion chambers and spark plugs, thereby promoting long engine life and performance retention.

### SPECIFICATIONS

API SJ / SL / SH / SG, JASO MA2/MA

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## 2T MOTO

is a high performance motorcycle oil which is developed for 2-stroke gasoline engines. Fuel/oil mixing ratio should be decided according to the original equipment recommendations. It provides excellent wear, rust and corrosion protection and long engine life.

### SPECIFICATIONS

JASO FB / FC, ISO-L-EGB

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**ROUTE**  
LUBRICANTS

## Multi-Purpose Tractor Fluid





## 422 FLUID

A multipurpose transmission lubricant in all seasons used confidently in brake and clutch systems, except engine, transmissions, differentials and hydraulic systems and last drive units, combine-harvesters and disinfection machines. Ensures silent operation of braking system due to friction inhibiting property.

### SPECIFICATIONS

ALLISON C-4, API CI-4, CASE MS 1210, CNH MAT3525, FORD ESN-M2C86-B/C/ESN-M2C134-D, JOHN DEERE JDM J20D/C, KUBOTA UDT FLUID, MASSEY FERGUSON CMS M, 1145/1143/1141/1135, ZF TE-ML 17E/06K/05F/03E

It provides effective protection against high velocity/low torque and low velocity/high torque wear. Its excellent viscosity-temperature characteristic offers reliable performance at very low temperatures. Its anti-friction additives allow wet brake system to operate efficiently and silently. Its specially developed formula provides long service life by controlling rust, corrosion and foam formation. Its high thermal and oxidation stability prevents sludge formation and increases efficiency.

It is suitable to use in manual transmissions, hydraulic, axle, wet brake systems, final drives and PTO of tractor and agricultural machines

Technical information on last page







## Gear & Transmission Fluid







## 80W90GL-5

is a ultra high performance automotive gear oil which is developed for hypoid gear axles under extreme operating conditions. Its special formula provides protection against wear under extreme operating conditions.

**SPECIFICATIONS**

API GL-5/MT-1 LARVIN MERITOR 0-76-D, MAN 342 TYPE  
M3, MB APPROVAL 235.2, MACK GO-J, SAE J2360,  
SCANIA STO 1.0, ZF TE-ML 05A, 07A, 12E, 16B, 16C

Technical information on last page



## 75W90 GL-5

is a synthetic automotive gear oil based on quality synthetic base oils and modern additive technology. It has been specially developed for hypoid gears, planetary axle hubs and transfer gearboxes. It should be avoided mixing with conventional branded gear oils.

**SPECIFICATIONS**

API GL-5/GL-4  
ZF TE-ML 21A/19C/17B/16F/12N/12L/05A

Technical information on last page



## 85W140 GL-5

is a high performance automotive gear oil for hypoid gear systems, differentials and axles under extreme operating conditions. Its special formulation provides superior protection against wear occurring under extreme operating conditions.

### SPECIFICATIONS

API GL-5/APIGL-4 (SAE 85W-140)  
API GL-5  
MIL-L-2105D

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## SAE 90-140

is a mineral automotive gear oil that has been developed for all types of gear operating under normal conditions. It does not contain extreme pressure (EP) additives, so it is suitable to use in gear systems, synchronized transmissions and differentials not operating under high load.

### SPECIFICATIONS

API GL-1/GL-4/GL-5  
ZF TE-ML 21A/19C/17B/16F/12N/12L/05A

Technical information on last page



## Automatic Transmission Fluid





## ATF II-III

is an ultra high performance automatic transmission fluid based on special technology additives. It is developed to meet Dexron IIIG and Ford Mercon specifications of the leading engine manufacturers. ATF DX III fulfills the requirements of automatically controlled transmission systems even under most extreme conditions.

### SPECIFICATIONS

ALLISON C-4, FORD MERCON, GM DEXRON IIIG, GM TYPE A SUFFIX A, MAN 339 TYPE V1/Z1, MB-APPROVAL 236.5/236.1, VOITH ,H55.6335.xx, VOLVO 97341

Technical information on last page



## CVT FLUID

is an automatic transmission fluid that is developed according to the leading equipment manufacturer's specifications. It meets requirements of GM Dexron II. It provides continuous and perfect power transmission in torque converter. Its high viscosity-temperature behaviour enables fast oil circulation at low temperatures and film strength at high temperatures.

### SPECIFICATIONS

ALLISON C-4, FORD MERCON, GM DEXRON IIIG, GM TYPE A SUFFIX A, MAN 339 TYPE V1/Z1, MB-APPROVAL 236.5/236.1, VOITH ,H55.6335.xx, VOLVO 97341

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**ROUTE**  
LUBRICANTS

## Hydraulic System Oils





## HYDRA 46

is a high performance hydraulic system oil which is suitable to use in wide temperature range. It can be used in all types of construction equipment and hydraulic system even under high pressure due to its special additive package in its content. It provides superior protection in hydraulic systems under extreme operating conditions.

### SPECIFICATIONS

BOSCH REXROTH, DENIOSN HF-2/HF-1/HF-0,DIN51524  
Part 3 (HVL), EATON LUB. SPEC. E-FDGN-TB002-E,  
FIVES CINCINNATI P-68, -69, P-70 ISO 11158HL,HM,HV

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## HYDRA 68

is a high performance hydraulic system oil which is suitable to use in wide temperature range. It can be used in all types of construction equipment and hydraulic system even under high pressure due to its special additive package in its content. It provides superior protection in hydraulic systems under extreme operating conditions.

### SPECIFICATIONS

BOSCH REXROTH, DENIOSN HF-2/HF-1/HF-0,DIN51524  
Part 3 (HVL), EATON LUB. SPEC. E-FDGN-TB002-E

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## Antifreeze & Coolant







## ANTIFREEZE

is a superior quality ethylene glycol based coolant formulated with special additives for cooling systems of all gasoline and diesel engines. It prevents radiator water from freezing in cold climates and prevents radiator water from boiling due to its special formulation.

### SPECIFICATIONS

BS 6580:1992, TS 3582

Technical information on last page



## ANTIFREEZE & COOLANT

is a long life concentrate coolant based on ethylene glycol. It is free from amines, nitrites, phosphates and silicates and is formulated using Organic Acid Technology(OA). Extended Life Antifreeze provides effective protection against corrosion in modern technology engines especially aluminum and alloyed iron engines.

### SPECIFICATIONS

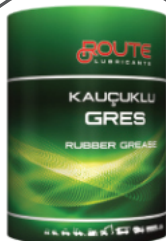
ASTM D 3306, CUMMINS (ISBe motorlar), DEUTZ TR-0199-99-1115, GM6277M, JOHN DEERE, MB-APPROVAL 325.3, MWM 0199-99-2091

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## RUBBER GREASE

**NLGI 0-1-2-3**

Calcium Based Water Resistant Multipurpose Rubber Grease, Used for lubrication of flat and roller bearings with average and high cycles under working normal temperatures and loads. Maximum Operating Temperature is 70°C

Technical information on last page



## RED GREASE

**NLGI 0-1-2-3**

Calcium Based Multipurpose Usage Water Resistant Red Grease, Used in bearings with average and high cycles operating under light conditions in environments where operation temperatures are not high, and for lubrication bearing with low cycles and chassis. Protects the system against wear and corrosion, prevents ingress of foreign bodies into the systems. Provides superior performance by quick and effective lubrication.

Technical information on last page



## WHITE GREASE

**NLGI 0-1-2-3**

Water Resistant Calcium Soap Multi-Purpose Grease, Used in general lubrication of vehicles, chassis lubricating and flat bearings with low cycles plain and roller bearings. Resistant against water; hence it protects the system against wear and corrosion. Provides superior performance by quick and effective lubrication in applications where temperature is not high.

Technical information on last page



## LITHIUM GREASE

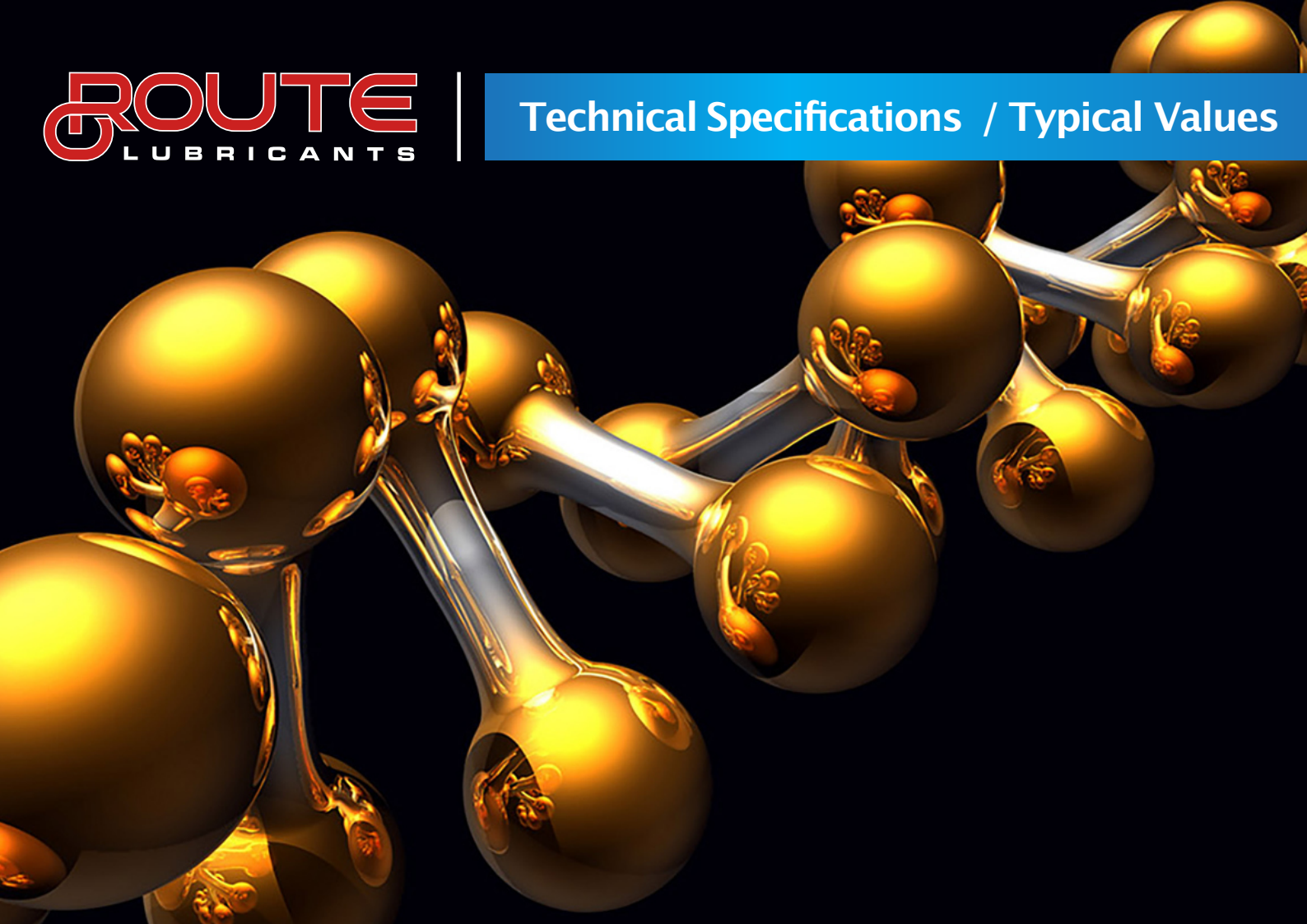
**NLGI 0-1-2-3**

Are a lithium based automotive greases formulated with quality base oils and specially developed additives. It provides superior protection against wear, rust and corrosion due to anti-wear (AW) and anti-corrosion additives, respectively. It is suitable for systems operating under high load.

Technical information on last page



## Technical Specifications / Typical Values





## 5W30 SM/CF C-2

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	170
Flash Point °C	240
Pour Point °C	-40

## 5W30 SM/CF C-3

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	170
Flash Point °C	240
Pour Point °C	-40

## 5W30 SM/CF C-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	170
Flash Point °C	240
Pour Point °C	-40

## 5W30 SN/CF A5-B5/A1-B1

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	170
Flash Point °C	240
Pour Point °C	-40

## 0W40 API CI-4SL

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,860
Kinematic Viscosity 100°C, cSt	12,5–16,3
Viscosity Index	160
Flash Point °C	240
Pour Point °C	-40

## 5W30 API CI-4SL

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	160
Flash Point °C	240
Pour Point °C	-40

## 5W40 API CI-4SL

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,865
Kinematic Viscosity 100°C, cSt	12,5–16,3
Viscosity Index	160
Flash Point °C	240
Pour Point °C	-40

## 10W40 API CI-4SL

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,865
Kinematic Viscosity 100°C, cSt	12,5–16,3
Viscosity Index	160
Flash Point °C	240
Pour Point °C	-40

## 5W30 API SN/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,850
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	160
Flash Point °C	240
Pour Point °C	-36

## 5W40 API SN/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,860
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	160
Flash Point °C	220
Pour Point °C	-36

## 5W40 API SM/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,860
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	160
Flash Point °C	220
Pour Point °C	-36

## 0W16 API SN/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,840
Kinematic Viscosity 100°C, cSt	7,2 –9,0
Viscosity Index	167
Flash Point °C	228
Pour Point °C	-36

## 0W20 API SN/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,860
Kinematic Viscosity 100°C, cSt	6,9–9,3
Viscosity Index	150
Flash Point °C	200
Pour Point °C	-40

## 5W30 API SL/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,865
Kinematic Viscosity 100°C, cSt	9,3–12,5
Viscosity Index	160
Flash Point °C	220
Pour Point °C	-36

## 5W40 API SL/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,865
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	160
Flash Point °C	220
Pour Point °C	-36

## 10W40 API SL/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,875
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	130
Flash Point °C	240
Pour Point °C	-24

## 20W50 API SL/CF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,887
Kinematic Viscosity 100°C, cSt	16,3 –21,9
Viscosity Index	120
Flash Point °C	220
Pour Point °C	-24

## 20W50 API CI-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,880
Kinematic Viscosity 100°C, cSt	16,3 –21,9
Viscosity Index	130
Flash Point °C	220
Pour Point °C	-24

## 15W40 API CF-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,880
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	130
Flash Point °C	230
Pour Point °C	-24

## 20W50 API CF-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,887
Kinematic Viscosity 100°C, cSt	12,5 –16,3
Viscosity Index	120
Flash Point °C	220
Pour Point °C	-24

## HD 50 API CF/SF

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,890
Kinematic Viscosity 100°C, cSt	16,3 –21,9
Viscosity Index	95
Flash Point °C	220
Pour Point °C	-10

## 4T 10W40 API SL

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,870
Kinematic Viscosity 100°C, cSt	12,3 –16,5
Viscosity Index	120
Flash Point °C	220
Pour Point °C	-24

## 2T MOTO API TC

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,891
Kinematic Viscosity 100°C, cSt	8,6
Viscosity Index	98
Flash Point °C	220
Pour Point °C	-13

## 422 API GL-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Kinematic Viscosity 100°C, cSt	9,3–11,3
Viscosity Index	120
Flash Point °C	220
Pour Point °C	-27

## 80W90 API GL-5

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,895
Kinematic Viscosity 100°C, cSt	14 –18,5
Viscosity Index	100
Flash Point °C	220
Pour Point °C	-21

## 75W90 API GL-5

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,870
Kinematic Viscosity 100°C, cSt	Min. 13,5
Viscosity Index	140
Flash Point °C	200
Pour Point °C	-33

## 85W140 API GL-5

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,900
Kinematic Viscosity 100°C, cSt	24,5 –32,5
Viscosity Index	100
Flash Point °C	220
Pour Point °C	-15

## SAE 90 API GL-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,900
Kinematic Viscosity 100°C, cSt	13,5 –18,5
Viscosity Index	90
Flash Point °C	220
Pour Point °C	-12

## SAE 140 API GL-4

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,900
Kinematic Viscosity 100°C, cSt	24 –32,5
Viscosity Index	90
Flash Point °C	220
Pour Point °C	-6

## ATF DEXRON II

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,870
Kinematic Viscosity 100°C, cSt	5,7 –8,0
Viscosity Index	150
Flash Point °C	200
Pour Point °C	-35

## ATF DEXRON III

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,860
Kinematic Viscosity 100°C, cSt	5,7 –8,0
Viscosity Index	160
Flash Point °C	200
Pour Point °C	-42

## CVT FLUID

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Kinematic Viscosity 100°C, cSt	7 –7,5
Flash Point °C	MIN. 205
Pour Point °C	MAX. -53

## HYDRA 46

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,880
Kinematic Viscosity 100°C, cSt	41,4–50,6
Viscosity Index	99
Flash Point °C	226
Pour Point °C	-24

## HYDRA 68

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Density @ 15°C	0,885
Kinematic Viscosity 100°C, cSt	61,2–74,8
Viscosity Index	99
Flash Point °C	230
Pour Point °C	-24

## READY TO USE ANTIFREEZE

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Freezing Point °C, at most	-37
Boiling Point °C, at least	112
Flash Point °C	-
pH	7,5 –11

## SUPER ANTIFREEZE

PHYSICAL AND CHEMICAL PROPERTIES	TYPICAL VALUES
Boiling Point °C, at least	166
Density @ 12°C	1,11
pH %33WATER	7,9



## RED GREASE

PHYSICAL AND CHEMICAL PROPERTIES	1	2	3
Color	RED	RED	RED
Type of Soap	CALCIUM	CALCIUM	CALCIUM
Penetration, 25°C, 0.1mm	310 –340	265 –295	220 –250
Dropping Point, Min., °C	100	100	100
Working Temp. Max., °C	70	70	70

## RUBBER GREASE

PHYSICAL AND CHEMICAL PROPERTIES	0	1	2	3
Color	GREEN	GREEN	GREEN	GREEN
Type of Soap	CALCIUM	CALCIUM	CALCIUM	CALCIUM
Penetration, 25°C, 0.1mm	355 –385	310 –340	265 –295	220 –250
Dropping Point, Min., °C	90	100	100	100
Working Temp. Max., °C	60	70	70	70

## WHITE GREASE

PHYSICAL AND CHEMICAL PROPERTIES	0	1	2	3
Color	WHITE	WHITE	WHITE	WHITE
Type of Soap	CALCIUM	CALCIUM	CALCIUM	CALCIUM
Penetration, 25°C, 0.1mm	355 –385	310 –340	265 –295	220 –250
Dropping Point, Min., °C	90	100	100	100
Working Temp. Max., °C	60	70	70	70

## LITHIUM GREASE

PHYSICAL AND CHEMICAL PROPERTIES	1	2	3
Color	LIGHT BROWN	LIGHT BROWN	LIGHT BROWN
Type of Soap	LITYUM	LITYUM	LITYUM
Penetration, 25°C, 0.1mm	310 –340	265 –295	220 –250
Dropping Point, Min., °C	185	185	185
Working Temp. Max., °C	150	150	150

# Research Development and Quality



**ROUTE**  
LUBRICANTS



Premium Class Lubricants





Evolutionary Performance

