

# INTRODUCTION TO ULTRA LUBRICANTS

Ultra Lubricants offer a range of internationally accredited motor oils for all classes of diesel and gasoline engines, as well as other automotive products such as Transmission Fluid and Coolants. All Ultra's products meet the highest international ratings for their respective classes as rated by the American Petroleum Institute (API) – an independent engine oil certifying body and the sole authority of engine oil accreditation in the western hemisphere. Ultra engine oils also meet the International Lubricant Standardization and Approval Committee (ILSAC) GF-5 specification for European Vehicles.

NP products, except fuels, can be found in territories such as Anguilla, Antigua, Barbados, Guyana, Monsterrat, St. Lucia, St. Kitts and Nevis, St. Vincent, Jamaica, St. Maarten, Suriname, Tortola and Grenada.

Our NP range of products adheres to the strict, quality standards stipulated by the American Petroleum Institute (API), the Society of Automotive Engineers (SAE) and the American Society for Testing Materials (ASTM). By adhering to these standards, National Petroleum ensures its products rank in performance with any established international brand.

Our operations are conducted according to international laboratory accreditation requirements. We are registered with the Chevron-Texaco General Test Survey Programme and our laboratory is linked to the Institute of Petroleum, London. The Trinidad and Tobago Bureau of Standards calibrates measuring and testing equipment used in our laboratory.

## » THE OBJECTIVES OF THE CATALOGUE

This catalogue provides you with an overview of the high quality products of Ultra Lubricants. It presents, sector by sector, products that have been specially developed to meet the needs of all applications.

Product choice must comply with the manufacturer's recommendations as indicated in the owner's manual. In case of doubt, please contact a NP representative. The specifications contained in this catalogue are those enforced at the date of printing (2019).

# **TABLE OF CONTENTS**

- Introduction to Ultra Lubricants
- Key Characteristics of a Lubricant
  - > Engine Oil Label Explained
  - > Viscosity Grade
  - > Oil Grades
  - > Specifications
- Automotive Range of Lubricants
- > Passenger Car Motor Oils (PCMO's)
- > Heavy Duty Diesel Engine Oils (HDDEO)
- > Four Stroke Motorcycles
- Classic Range of Lubricants
  - > High Mileage Vehicle Motor Oils
- Other Automotive Lubricants
  - > Transmission Fluids
  - > Gear Oils
  - > Coolants
- Professional Range of Lubricants
  - > Agricultural Equipment
  - > Fishing Vessels

## Industrial Range of Lubricants

- > Greases
- > Hydraulic Systems
- > Turbines
- > Compressors
- > Gearing Systems
- > Metal Working Fluid

## Platinum Lubricants

- > Brake Fluid
- > Fuel Treatment
- Other Lubricants
- Appendix 1
  - > Viscosity Classification
- Appendix 2
  - > Gasoline Engine Specifications
  - > Diesel Engine Specifications
  - > ILSAC Standard for Passenger Car Engine Oils
- Export Distributors
- Ultra Quick ID Chart

# **» KEY CHARACTERISTICS OF A LUBRICANT**

Fuel Type



Product Claim

Product Name

Viscosity Grade

Lubricant ID #

Base Oil Quality

Specifications





**TEC 10W-30** 

**Product Description** 

**Product Benefits** 

**Product Applications** 

Ultra Tec 10W-30 is a 100% fully synthetic motor oil that provides stability and endurance under extreme conditions that can cause conventional oils to break down. It delivers the ultimate performance under high-temperature conditions: unsurpassed protection against volatility burn-off and viscosity increase. Ultra Tec 10W-30 keeps pistons up to 60% cleaner than is required by API SN, CF and ILSAC GF-5 specifications. Ultra Tec 10W-30 also meets original equipment manufacturers (OEM's) standards of BMW, Volvo, Mercedez-Benz (MB), Porsche, Volkswagen (VW), Ford; Renault and Jaguar Land Rover.

The New ULTRA series of Engine oils -

	BENEFITS
Extends E	rgine Life and reliability

Protection against wear, tear and deposits build up

Improved Engine Performance and Fuel Economy

Enhanced Performance against thermal breakdown

Protection against Scot deposit build up and harmful emissions

ULTRA 1 ULTRA 2 ULTRA 3

888 88 

\*The number of cars reflects relative performance level.
3 cars represents maximum performance.

**Main Applications** 

- Modern gasoline automobiles in today's market place requiring the API SN performance rating.
- Passenger cars where API Service Catergory SN and earlier are recommended.
- Light diesel vehicles requiring the API CF performance rating.

Caution: Avoid prolonged or continuous contact with skin. In case of contact wash area with soap and water.

Product of Trinidad and Tobago Trinidad & Tobago National Petroleum Marketing Company Sea Lots, Port of Spain, Trinidad and Tobago email - customer service®ing.co. tt Customer service number - (868)-800-NPMC





API SN/CF BMW LL01 MB-APPROVAL 226.5/229.1/229.3/229.5 PORSCHE A40 VW 502 00/505 00 FORD WSS-M2C913-D RENAULT RN0700/RN0710 ACEA B3/B4-12

1 U.S. Gal. (3.785 LITRE)

Please dispose of your oil responsibly. Take used oil to designated waste collection locations.

Lubricant ID & Product name

**Specifications** & Manufacturer Approvals

Disposal Guidelines



# » KEY CHARACTERISTICS OF ENGINE OILS

The primary function of engine oil is to keep metal from touching metal. An engine contains hundreds of moving parts that must be protected. If metal surfaces come in contact, wear occurs and friction will increase dramatically. With friction comes heat, which causes more wear and distorts moving engine parts.

The oil in your engine maintains a thin, lubricating film on all metal parts that lets them glide over each other, minimizing friction.

## Viscosity Grade

The viscosity grade is a measure of the oil's ability to flow—it is one of the most important factors when selecting an engine oil. When the oil is warm, it will flow more easily than when the oil temperature is cold. The correct viscosity grade ensures that the oil is thin enough to flow around the engine during cold startup yet thick enough to protect properly as the engine heats up during operation.

## • Oil Grades

There are two types of SAE classifications: monograde and multi-grade. Mono-grade oil such as SAE 30 has certain cold weather limitations and may not flow freely enough to protect the engine in very cold weather conditions. Multi-grade oil such as SAE 10W-40 can be used across a broad range of temperatures. These oils are widely used because they allow easy starting and pumping at low temperatures, yet they remain thick enough at high temperatures to provide effective lubrication.

The "W" stands for "winter" and indicates that the oil meets requirements for low-temperature operation.

The system used to classify engine oils by viscosity was developed by the Society of Automotive Engineers and the latest classification is designated SAE J300 January 2015. (See Appendix 1)

## » SPECIFICATIONS

# • International Standards/ Industry Classifications

In North America and Europe, the American Petroleum Institute (API) (e.g. API SN for gasoline engines and API CJ-4 for diesel engines) and the specifications of the Association des Constructeurs Européens d'Automobiles (e.g., ACEA A5/B5 for gasoline and diesel engines, and ACEA C1, C2, C3, C4 for catalyst compatible engines) are generally the standards utilized. These classifications signify that an engine oil meets the minimum standards set by the industry. In addition to these two (2) main standards oils that meet fuel economy standards are rated by the International

Lubricant Standardization and Approval Committee (ILSAC), a joint effort of U.S. and Japanese automobile manufacturers. (See Appendix 2 for details)

In addition to this, some vehicle manufacturers have their own **approval standards** aimed at optimizing the performance of their engines. These are more stringent than the international standards. Such manufacturers recommend the use of a specific oil frefer to the vehicle owner's manual.

Ultra Engine oils meets or exceeds the required API, ACEA and ILSAC classifications. In addition, several products in our range have been developed for specific vehicles/engine models.

To choose a quality oil compatible with your engine you should always read your owner's manual. Your car manufacturer will indicate API and/or ACEA classifications and will also mention if a specifically approved lubricant is necessary.



WORLD CLASS LUBRICANTS FOR TROPICAL CONDITIONS

# **» PASSENGER CAR RANGE OF LUBRICANTS**

Ultra Tec 0W-20/5W-40/10W-30	Ultra 1
Ultra Premium 20W-50	Ultra 2
Ultra Diesel Tec 5W-40	Ultra 4
Ultra Duty 15W-40	Ultra 5

# » PASSENGER CAR MOTOR OILS



## Ultra Tec \*0W-20, 5W-40 & 10W-30

## Performance Rating: API SN, ILSAC GF-5, ACEA A5/B5

**Description:** Fully Synthetic Engine Oil uniquely blended with Energy Efficient Base Oils and select additive compounds which have passed the most stringent tests and have been approved for use in quality OEM brands such as **BMW**, **Ford**, **GM**, **Mercedes Benz**, **Porsche**, **Renault and Volkswagen**. This range provides exceptional stability and endurance under extreme conditions which can cause the breakdown of conventional motor oils.

## Main Applications

- Modern gasoline automobiles in today's marketplace requiring the highest API SN performance rating.
- Passenger cars where API Service Category SN and earlier are recommended.
- Light diesel vehicles requiring the API CF rating.
- \* Ultra Tec 0W20 is designed to provide the ultimate performance and protection in hybrid vehicles.

## **Road Benefit**

- •65% Better Wear Protection
- •60% Cleaner Engine
- •2.7% Fuel Saving Technology
- •10,000 km ODI Guaranteed\*



## Ultra Premium 10W-30,10W-40 & 20W-50

## Performance Rating: API SN, ILSAC GF-5

**Description:** Ultra Premium is a high performance, high quality crankcase multi-grade oil specially formulated to meet the most demanding lubrication requirements of today's naturally aspirated, turbo-charged and supercharged gasoline fueled engines.

## Main Applications

- Modern gasoline automobiles in today's marketplace requiring the API SN performance rating.
- Earlier passenger cars where API Service Category SN and earlier are recommended.

- •Better wear control to extend the life of an engine
- Higher level of thermal and oxidative stability, longer oil drain intervals
- •Up to 2.7% Fuel Saving Technology

# **» HEAVY DUTY DIESEL ENGINE OILS**



## Ultra Diesel Tec 5W-40, 10W-30

## Performance rating: API CK-4

**Description:** A fully synthetic high performance engine oil developed to offer ultimate diesel engine protection. With a unique blend of synthetic base oils and select additive compounds which have passed the most stringent tests and have been approved for use in quality OEM brands such as BMW, Ford, GM, Mercedes Benz, Porsche, Renault and Volkswagen.

## Main Applications

- Modern high speed, four stroke engines.
- Exhaust Gas Recirculation (EGR) and application of other emission control systems.
- High speed naturally aspirated, turbocharged, and supercharged diesel engines in the construction and road transport Industry.
- Off road, indirect injected diesel engines and other diesel engines that use a broad range of fuel types.

#### **Road Benefit**

- •65% Better Wear Protection
- •63% Better Soot & Viscosity Increase Control
- •2.7% Fuel Saving Technology
- •10.000 km ODI Guaranteed\*



## Ultra Duty 15W-40

## Performance Rating: API CJ-4/SN

**Description:** A high performance mutligrade oil designed to meet 2007 exhaust emission standards and to surpass the performance demands of all previous diesel lubrication categories. **Meets the highest diesel and gasoline** performance standards so it is ideal for mixed fleet applications.

» OEM Approved by Detroit Diesel, Renault, MTU, Cummins, Mack and Volvo.

## Main Applications

- Modern high speed, four stroke engines.
- Exhaust Gas Recirculation (EGR) and application of other emission control systems.
- High speed naturally aspirated, turbocharged, and supercharged diesel engines in the construction and road transport Industry.
- Off road, indirect injected diesel engines and other diesel engines that use a broad range of fuel types.
- Mixed fleet engine oil for gasoline/ diesel combinations where SAE 15W-40 lubricants recommended.

- Molytrimer Technology provides a unique low friction coefficient, increasing engine service life
- Proprietary soot-busting dispersant chemistry
- •Excellent TBN retention
- •10,000 km Recommended ODI\*
- •65% Better Wear Protection

<sup>\*</sup> Based on API CJ-4 Sequence IIIG

# » FOUR STROKE MOTORCYCLES



## Ultra Powermax 4T 10W-40

## Performance rating: API SL, JASO MA

## Description

A premium quality multi-grade 4-stroke gasoline engine oil developed for the latest high performance air cooled 4-stroke motorcycles. It is designed with "Moly Trimer Technology" to provide optimum protection to the three (3) critical areas of the motorcycle: engine, gears and clutch. Ultra PowerMax 4T exceeds the performance requirements for API Service Categories SL, SJ, SH and SG in fuel economy, oil consumption/emissions system protection, oxidation control and high temperature piston deposits.

## Main Applications

- All 4-stroke engines requiring an oil meeting API SL/SJ/SH/SG standards
- All 4-stroke motorcycles with or without wet clutches including those specifying the use of a JASO MA qualified oil.

#### **Road Benefit**

- Greater wear protection at start-up
- Unique combination of detergents and dispersants to provide excellent control on piston deposits leading to faster heat dissipation
- Enhanced lubrication for maximum horsepower
- Effective rust and corrosion inhibition property ensures longer life of critical components
- Optimized frictional properties eliminate wet clutch slippage resulting in increased power and fuel economy.



## **Ultra Powertec 4T 10W-40**

## Performance rating: API SL, JASO MA

## Description

A fully synthetic multi-grade 4-stroke gasoline engine oil developed for the latest high performance air cooled 4-stroke motorcycles. It is designed with "Moly Trimer Technology" to provide optimum protection to the three [3] critical areas of the motorcycle: engine, gears and clutch.

## Main Applications

 Ultra PowerTec 10W40 is specifically recommended for lubrication of 4-stroke motorcycle engines in high performance motorcycles.

- Unique combination of detergents and dispersants to provide excellent control on piston deposits leading to faster heat dissipation
- Enhanced lubrication for maximum horsepower
- Effective rust and corrosion inhibition property ensures longer life of critical components
- Optimized frictional properties eliminate wet clutch slippage resulting in increased power and fuel economy



WORLD CLASS LUBRICANTS FOR TROPICAL CONDITIONS

# » CLASSIC RANGE OF LUBRICANTS – HIGH MILEAGE VEHICLE MOTOR OILS

Ultra Motor Oil HD 30/40/50	Ultra 3
Ultra DTV 20W-50	Ultra 6
Ultra Diesel Plus High Mileage 50	Ultra 7
Ultra Super Duty S-3 30/40/50	Ultra 8

# » HIGH MILEAGE VEHICLE MOTOR OILS



## Ultra Motor Oil HD SAE 30/40/50

## Performance Rating: API SL

**Description:** High quality monograde lubricants specially developed for modern high performance gasoline engines and vehicles where straight grade /monograde oils are recommended. Formulated to provide a reduction in exhaust emissions due to lower levels of phosphorus and sulphur.

## Main Applications

- Gasoline engines in passenger cars and road transport vehicles, where straight grade oils are recommended.
- Where API Service Category SL and earlier categories are recommended.

#### **Road Benefit**

- •A cleaner exhaust system
- Prevention of ring –sticking and corrosion
- Protection and extended life of engine bearings
- Maintains oil viscosity longer
- •Reduced oil consumption
- •Reduced engine wear, valve train wear and tappet knocking



## Ultra DTV 20W-50

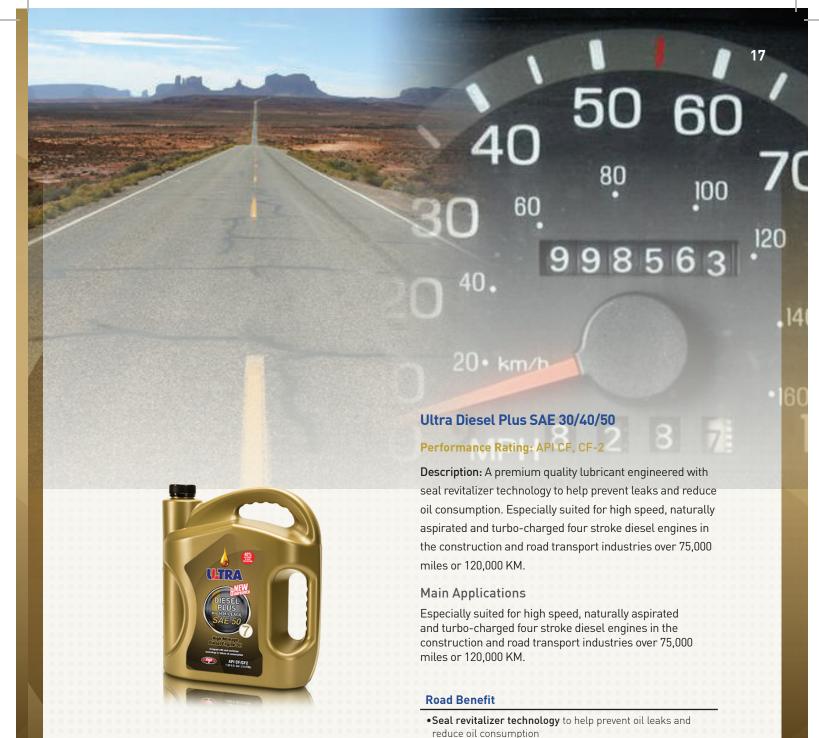
## Performance Rating: API CF

**Description:** A high performance heavy-duty diesel engine oil designed to help extend engine oil life while providing potential fuel economy and long drain interval benefits.

## Main Applications

- High speed naturally aspirated and turbo-charged four stroke diesel engines in the construction and road transport industries.
- Off-road, indirect injected diesel engines and other diesel engines that use a broad range of fuel types.

- Protect and extend the life of engine bearings
- Helps prevent seal leakage
- Reduce battery drain and ensure faster engine protection at startup
- Protect against engine deposits and metal corrosion
- •Up to 55% reduced oil consumption



Enhanced thermal stability

•40% Superior sludge protection

• Excellent dispersancy and alkalinity formulation

# **» OTHER AUTOMOTIVE LUBRICANTS**

## Transmission Fluids:



# Ultra Supermatic - Automatic Transmission and Power Steering Fluid

Performance Rating: Dexron III H. Ford Mercon, Allison C-4

**Description:** Specially formulated for automatic transmissions and systems requiring General Motors, Dexron III H, Ford Mercon or Allison C – 4 specifications. The new 2-in-1 Formula also acts as a Power Steering Fluid which can be used effectively in certain power steering systems.

## Main Applications

- Passenger car and jeep automatic transmissions requiring GM Dexron III or Ford Mercon specifications.
- Commercial transmissions requiring Allison C-4 type fluid and earlier specifications.
- Certain screw type air compressors and hydraulic equipment.
- Applications requiring General Motors Dexron III H/M and earlier specifications.

### **Road Benefit**

- Excellent wear protection resulting in longer component life,
- Consistent, smooth shift quality throughout the service life of your vehicle.



## **Ultra Multi-Vehicle ATF Fully Synthetic Dexron VI**

**Performance Specifications:** General Motors Dexron VI, Ford Mercon LV, SP

**Description:** "Smooth Drive Technology" represents the latest technology in fully synthetic automatic transmission fluids. This ATF is designed for the newest generation of highly efficient transmissions now installed in most vehicles.

## Main Applications

 Suitable for most North American, European and Japanese vehicles such as Mitsubishi, Toyota/Lexus/ Scion WS, Nissan Matic J and Matic S, Ford part numbers XT-10-QLV and XT-6-QSP, Honda/Acura Z-1 and DW-1, and Hyundai SP-IV and other imported vehicles.

- Extended fluid life allowing longer drain intervals twice that of Dexron III H
- Maximizes the life of higher mileage transmissions
- •Low viscosity formula for maximum fuel efficiency
- •Enhanced friction durability for smooth transmission performance



## **Ultra CVT Fluid**

Performance Specifications: Honda, Toyota, Nissan, Hyundai/Kia and other imported vehicles

**Description:** Ultra Fully Synthetic CVT Fluid is a multivehicle continuous variable transmission (CVT) fluid suitable for use in most belt or chain CVT applications. Formulated with synthetic base stocks to insure long life and compounded with state of the art additive technology to insure exceptional metal-to-metal frictional properties and provide outstanding anti-shudder durability.

## Main Applications

• Belt and chain drive CVTs.

## **Road Benefit**

- Outstanding metal-to-metal friction performance.
- Excellent wear resistance.
- Excellent low temperature fluidity.
- Outstanding anti-shudder durability.

# » GEAR OILS



## Ultra Gear Oils HD & LSD 80W-90 & 85W-140

Performance Rating: API MT-1, SAE J 2360, MACK GO-J

**Description:** Ultra Gear Oils HD are formulated to provide outstanding benefits to cover the type of service encountered in high speed and/or high torque systems. Improved formulation for use in both automotive gears and limited slip differentials.

## Main Applications

- Enclosed steel gears operating under load/speed conditions of extreme pressure.
- Automotive medium and low speed spur or helical gear units.
- Spiral bevel and hypoid axle units on highway and offhighway vehicles.
- Ideal for high speed/heavy load applications

- "New Clean Gear Technology" additive keeps gears cleaned for longer intervals leading to improved maintenance and reduced failures.
- Recommended for both Meritor & Dana axles assembled in International, Freightliner, Hino, Kensworth, Volvo, Iveco, Ford and MAN trucks

# » COOLANTS



## **Ultra Radol Premium Long Life Coolant**

Performance Rating: ASTM D 6210, ASTM D 3306, Caterpillar EC-1, Cummins 14603, Cummins 3666286, Detroit Diesel

Description: This coolant offers long-term cooling system protection for all motor vehicles and is based on Organic Additive Technology (OAT) and heavy duty corrosion inhibitors. The advantage of this product over conventional ethylene glycol type coolants is that the corrosion inhibiting package has minimal depletion over an extended period of time. This means that maximum corrosion and antifreeze/anti-boil protection are maintained until the fluid is replaced. Non-silicate, non-phosphate, non-nitrate and non-amine formula.

## Main Applications

- Enclosed steel gears operating under load/speed conditions of extreme pressure.
- Automotive medium and low speed spur or helical gear units.
- Spiral bevel and hypoid axle units on highway and offhighway vehicles.
- Ideal for high speed/heavy load applications

#### **Road Benefit**

- •5 years or 350,000 km service life (whichever comes first).
- Provides optimum protection against corrosion of all metals in vehicle cooling systems.
- Compatible with hoses and rubber fittings.
- Not aggressive to water pump seals as is often the case with silicate-based coolants.
- Performance of organic acid-based inhibitors does not diminish with time.

## » PROFESSIONAL RANGE



## **Farming Equipment**

## NP Universal Tractor Transmission Oil (UTTO)

**Description:** NP UTTO is manufactured from premium quality hydro-treated base oils, which contain lower levels of impurities, and are blended with an advanced additive package. This transmission oil meets or exceeds the requirements of a multipurpose hydraulic/transmission, power take-off and clutch fluid.

## Main Applications

• Majority of equipment found in agricultural, constructional and industrial applications.

- •Extreme pressure protection
- •Wet brake noise suppression
- Corrosion protection
- Rust inhibition
- •Water tolerance
- Operational temperature range



## Fishing Vessel

## **Ultra Superstream Outboard Motor Oil**

Performance Rating: NMMA TC-W3, TC-WII, TC-W, API TC

**Description:** Specially formulated to meet the critical requirements of the latest high performance, water-cooled two stroke engines. Dyed blue for ease of identification, it uses a high quality ashless additive package which provides enhanced lubrication and protection for the latest high performance outboard motors. May be used with both leaded and unleaded fuels.

## Main Applications

- Water-cooled outboard two stroke engines requiring NMMA TC-W3, TC-WII and TC-W type oils.
- Air-cooled two-stroke engines requiring oil satisfying API TC specifications e.g. power saws, motorcycles, etc

- •Extended engine life
- •No gel formation when mixed with fuel
- Superior anti-scuffing protection
- •Reduced spark plug fouling
- •Environmentally friendly, ensuring low aquatic toxicity



# **» INDUSTRIAL RANGE OF LUBRICANTS**



WORLD CLASS LUBRICANTS FOR TROPICAL CONDITIONS

- 1 Hydraulic Systems
- 2. Compressors
- 3. Turbines
- 4. Gearing Systems
- 5. Metal Working Fluid
- 6. Other

# » INDUSTRIAL RANGE



## Soluble Oil

**Description:** An emulsifiable cutting oil, which when mixed with water forms a highly stable dense white emulsion having very good anti-corrosion properties. When appropriately used in cutting operations, tool life is significantly enhanced and superior metal surface finishes are achieved.

## Main Application

Majority of general machining processes, using more common materials.



## Ultra Multiplex (Red) Grease EP 2

## Performance specifications: NLGI GC-LB

**Description:** A lithium complex base grease formulated with highly refined base oil and specialty additives to meet severe requirements of machinery. The appearance is smooth, somewhat tacky, slightly stringy and red in color. This grease is capable of operations from -40°F to 350°F, but has a dropping point of more than 500°F.

## Main Applications

- Heavy-duty automotive, trucks, buses, farm tractors, construction equipment
- High temp wheel bearings (disc brakes)
- Roller & ball bearings
- Electric motor bearings, universal joints, chassis
- Fifth wheel and other applications

## **Key Benefit**

- Excellent mechanical stability
- •Good oxidation and corrosion protection
- •Outstanding extreme pressure protection
- •Wide temperature operability ( 0°F to + 350°F)
- •Superior water resistance



## Multipurpose EP Greases

**Description:** Multipurpose EP Greases are premium quality lithium soap, Extreme Pressure (EP) greases. They are formulated from highly refined base oils and incorporated Corrosion inhibitors, Oxidation inhibitors, Anti-wear additives and non-lead Extreme Pressure agents. NP multipurpose EP Greases meets NLGI GC-LB and are available in NLGI 0, 1, 2 & 3 grades.

## **Key Benefit**

- Good mechanical and oxidation stability
- •Good rust protection
- •Resistance to water wash out
- •Protection against wear
- Compatibility with seals



## Hydraulic Oil

**Description:** Hydraulic Oils are premium anti-sear lubricants developed for use in both high and low pressure hydraulic systems for industrial and mobile applications. They are designed to provide efficient power transmission and outstanding lubricants of vane, gear and piston type pumps, actuators, control valves and hydraulic system components.

## **Key Benefit**

- Provision of superior anti-wear protection
- •Less downtime, reduced maintenance and longer component life
- Minimizing of harmful sludge and emulsions
- •Longer oil service life, with reduced costs.
- Protection against wear
- •Compatibility with sea

## Refcom Oils

**Description:** Refcom Oils are high quality refrigeration oils for the lubricants of compressors used in refrigeration and air conditioning systems. These hydro-treated base oils provide chemical and thermal stability to meet the requirements of refrigeration and air conditioning systems.

## **Key Benefit**

- •A low pour point
- Excellent low-temperature properties
- Good oxidation stability



## Turbine Oil R & O

**Description:** Turbine Oil R&O is manufactured using refined hydro-treated base oils which are designed to provide outstanding lubricating properties such as high oxidation stability, low volatility and elevated flash/fire points. NP Turbine Oil R&O is formulated using a best-in-class additive package with a unique "Stay-Clean Technology" designed to impart excellent thermal stability, advanced filterability & water separation, unsurpassed sludge & varnish control, exceptional demulsibility and outstanding oxidative stability.

## **Key Benefit**

- Protection of bearings and other metallic parts against rust and corrosion
- Reduction in the formation of acidic products that can lead to corrosion.
- •Reduced formulation of varnish, sludge and demulsions.
- Better oil circulation and functioning of governors and oil relays.



## Industrial Gear Oil TK

**Description:** NP Industrial Gear Oil is a premium quality, lead-free, extreme pressure (EP) gear oil utilizing sulphurphosphorus EP technology. This results in an overall performance level superior to leaded EP gear oils, while at the same time satisfying environmental requirements.

## **Key Benefit**

- Minimizing wear of heavy and shock loaded enclosed gears.
- High load carrying capacity in steel gear transmissions.
- Good anti-friction characteristics in steel/phosphor-bronze gear units.
- Good oxidative and thermal stability in systems with bulk oil temperatures up to 100°C.
- •Minimizing of harmful sludge and emulsions.

# » PLATINUM PRODUCTS



# Platinum 2 in 1 Fuel Injector Cleaner + Cetane Booster

**Description:** This product is a fully synthetic, ultra-high performance product, formulated with the revolutionary new Zero Series Diesel Deposit Control additive.

## Main Applications

- Designed for all diesel engines in particular today's new High \* Pressure Common Rail (HPCR) diesel injection systems.
- Safe for use with all types of diesel exhaust emission systems equipment, including diesel particulate filters (DPFs) and catalytic converters.
- Not recommended for gasoline engines.

#### **Road Benefit**

- •Increases cetane number by 8\*
- •Increases fuel economy by up to 10%
- •Improves engine startup and reliability.
- •Cleans internal diesel injector deposits (IDID), indirect injection (IDI) and high speed direct injection (HSDI) nozzles
- •Provides lubricity to entire fuel system
- Prevent fuel injector sticking and failure
- Improve engine responsiveness, drivability and engine noise reduction
- •Reduces smoke and odor
- •Will not harm vehicle emissions equipment



# Platinum 2 in 1 Fuel Injector Cleaner + Octane Booster

**Description:** This product is a fully synthetic, high performance, fuel injector cleaner and octane booster. It is specifically formulated with highly concentrated detergents that quickly cleans clogged and choked injectors, restoring 100% injector flow.

## Main Applications

- Spark ignition engines with gasoline, ethanol or gasoline/ethanol blends
- Conventional port fuel injection (PFI) engine
- Gasoline-electric hybrid vehicles
- Gasoline 2 stroke engines (air-cooled and water-cooled) and gasoline 4 stroke engines

- Reduces intake valve, carburetor, and port fuel injector deposits, for "like new" performance
- Helps control combustion chamber deposits
- Helps improve fuel economy
- •Helps reduce surging, stumbling, hesitation, stalling,
- •and rough idling to provide improved drivability
- •Reduces engine knocking and pinging
- •Raises octane rating up to 3 numbers



## **Brake Fluid**

**Description:** Platinum Brake Fluid is a high performance, non-petroleum, heavy-duty hydraulic fluid designed for use in the braking systems of any motor vehicles such as a passenger car, truck, bus or trailer. These fluids are not intended for use under arctic conditions.

- Fast and safe braking
- ◆Higher fluid boiling point
- No deterioration of seals, hoses and metallic parts by the fluid

# » OTHER LUBRICANTS

CNG ENGINE OIL	SYNTHETIC COMPRESSOR OILS	
•Ultra CNG 15W-40	•CP-1009-68 Semi-Syn Ammonia Refrigeration Compressor Fluid	
	•CP -1516-68 Syn PAG Gas Compressor Oil	
INDUSTRIAL OILS	•Turbo 4-32 & 68 Syn PAG Turbine/Centrifugal Fluid	
NP Spectrum	•CP 4601-100 Syn PAO Gas Compressor Fluid	
•NP Cylinder Oil J	•CP 1542-46 Syn PAG Air Compressor Fluid	
•NP Universal Tractor Transmission Oil	• CP 4608-100 Syn PAO Air Compressor Fluid	
•NP Super Tractor Oil Universal C	•CP 4601-46 Syn PAO Gas Compressor Fluid	
•NP Process Oil	•CP-9301-46 Semi-Syn Air Compressor Fluid	
	•CP-4126-150 Syn Diester Air Compressor Fluid	
INDUSTRIAL ENGINE OILS		
•NP Diesel Special 40	OTHER OILS	
•NP Super Duty 2T 40	•NP Banana Spray Oil	
•NP Industrial Gas Engine Oil	•NP Heat Transfer Oil	
	NP Sewing Machine Oil	
GREASES	•NP Shock Absorber Oil	
•NP Bearing Grease HTM	NP Sewing Machine Oil	
•NP Bearing Grease HT2	•NP Shock Absorber Oil	
•NP Molylube 2	•NP Form Oil	
NP Open Gear Compound		

National Petroleum is the preferred contract manufacturer and distributor for BP Castrol Marine in the Caribbean Region. These oils are used in many industries such as power generation, oil & gas, marine and mining.



# Appendix 1

# **» VISCOSITY CLASSIFICATION**

# SAE J300 - Revised January 2015

SAE VISCOSITY GRADE	LOW TEMP. CRANKING (cP)	LOW TEMP. PUMPING (cP)	MIMIMUM KINEMATIC (cST)	MAXIMUM KINEMATIC (cST)	HI-TEMP. HI SHEAR (cP)
0W	6,200 @ -350C	60,000 @ -400C	3.8	-	-
5W	6,600 @ -300C	60,000 @ -350C	3.8	=	-
10W	7,000 @ - 250C	60,000 @ -300C	4.1	=	-
15W	7,000 @ -200C	60,000 @ 200C	5.6	=	-
20W	9,500 @ -150C	60,000 @ -250C	5.6	_	-
25W	13,000 @-100C	60,000 @ -150C	9.3	=	-
8	-		4	<6.1	1.7
12	-		5	<7.1	2
16	-		6.1	<8.2	2.3
20	=		6.9	<9.3	2.6
30	-	,	9.3	<12.5	2.9
40	=		12.5	<16.3	3.5 (0W-10, 5W-40, 10W-40)
40	-		12.5	<16.3	(15W-10, 20W-40, 25W-40, 40 monograde)
50	-		16.3	<21.9	3.7
60	-	_	21.9	<26.1	3.7

# Appendix 2

# **» GASOLINE ENGINES SPECIFICATIONS**

(FOLLOW YOUR VEHICLE MANUFACTURER'S RECOMMENDATIONS ON OIL PERFORMANCE LEVEL)

CATEGORY	STATUS	SERVICE
SN	Current	Introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons, more stringent sludge control, and seal compatibility. API SN with Resource Conserving matches ILSAC GF-5 by combining API SN performance with improved fuel economy, turbocharger protection, emission control system compatibility, and protection of engines operating on ethanol-containing fuels up to E85.
SM	Current	For all automotive engines currently in use. SM oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and better low-temperature performance over the life of the oil.
SL	Current	For 2004 and older automotive engines.
SJ	Current	For 2001 and older automotive engines.
SH	Obsolete	For 1996 and older engines. Valid when preceded by current 'C' categories.
SG	Obsolete	For 1993 and older engines.
SF	Obsolete	For 1988 and older engines.
SE	Obsolete	For 1979 and older engines.
SD	Obsolete	For 1971 and older engines.
SC	Obsolete	For 1967 and older engines.
SB	Obsolete	For older engines. Use only when specifically recommended by the manufacturer.
SA	Obsolete	For older engines; no performance requirement. Use only when specifically recommended by the manufacturer.

## Appendix 2

# **» DIESEL ENGINES SPECIFICATIONS**

(FOLLOW YOUR VEHICLE MANUFACTURER'S RECOMMENDATIONS ON OIL PERFORMANCE LEVEL)

CATEGORY	STATUS	SERVICE
CJ-4	Current	For high-speed four-stroke cycle diesel engines designed to meet 2010 model year on-highway and Tier 4 nonroad exhaust emission standards as well as for previous model year diesel engines. These oils are formulated for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm (0.05% by weight). However, the use of these oils with greater than 15 ppm (0.0015% by weight) sulfur fuel may impact exhaust aftertreatment system durability and/or drain interval. CJ-4 oils are especially effective at sustaining emission control system durability where particulate filters and other advanced aftertreatment systems are used. Optimum protection is provided for control of catalyst poisoning, particulate filter blocking, engine wear, piston deposits, low- and high-temperature stability, soot handling properties, oxidative thickening, foaming, and viscosity loss due to shear. API CJ-4 oils exceed the performance criteria of API CI-4 with CI-4 PLUS, CI-4, CH-4, CG-4 and CF-4 and can effectively lubricate engines calling for those API Service Categories.  When using CJ-4 oil with higher than 15 ppm sulfur fuel, consult the engine manufacturer
		for service interval.
CI-4 Plus	Current	Used in conjunction with API CI-4, the "CI-4 Plus" designation identifies oils formulated to provide a higher level of protection against soot-related viscosity increase and viscosity loss due to shear in diesel engines. Can also be used in place of CH-4, CG-4 and CF-4 oils.
CI-4	Current	Introduced in 2002. For high-speed, four-stroke cycle diesel engines designed to meet 2004 exhaust emission standards implemented in 2002. CI-4 oils are specifically formulated to sustain engine durability where Exhaust Gas Recirculation (EGR) is used, and can be used use with diesel fuels ranging in sulfur content up to 0.5% weight. Can also be used in place of CH-4, CG-4 and CF-4 oils.
CK-4	Current	API Service Category CK-4 describes oils for use in high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. These oils are formulated for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm (0.05% by weight). However, the use of these oils with greater than 15 ppm (0.0015% by weight) sulfur fuel may impact exhaust aftertreatment system durability and/or oil drain interval. These oils are especially effective at sustaining emission control system durability where particulate filters and other advanced aftertreatment systems are used. API CK-4 oils are designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase. API CK-4 oils exceed the performance criteria of API CJ-4, CI-4 with CI-4 PLUS, CI-4, and CH-4 and can effectively lubricate engines calling for those API Service Categories. When using CK-4 oil with higher than 15 ppm sulfur fuel, consult the engine manufacturer for service interval recommendations.

CATEGORY	STATUS	SERVICE
CH-4	Current	Introduced 1998. For high-speed, four-stroke engines designed to meet 1998 exhaust emission standards. CH-4 oils are specifically compounded for use with diesel fuels ranging in sulfur content up to 0.5% weight. Can be used in place of CD, CE, CF-4, and CG-4 oils.
CG-4	Current	Introduced in 1995. For severe duty, high-speed, four-stroke engines using fuel with less than 0.5% weight sulfur. CG-4 oils are required for engines meeting 1994 emission standards. Can be used in place of CD, CE, and CF-4 oils.
CF-4	Current	Introduced in 1990. For high-speed, four-stroke, naturally aspirated and turbocharged engines. Can be used in place of CE oils.
CF-2	Current	Introduced in 1994. For severe duty, two-stroke-cycle engines. Can be used in place of CD-II oils.
CF	Current	Introduced in 1994. For off-road, indirect-injected and other diesel engines including those using fuel with over 0.5% weight sulfur. Can be used in place of CD oils.
CE	Obsolete	Introduced in 1987. For high-speed, four-stroke, naturally aspirated and turbocharged engines. Can be used in place of CC and CD oils.
CD-II	Obsolete	Introduced in 1987. For two-stroke-cycle engines.
CD	Obsolete	Introduced in 1955. For certain naturally aspirated and turbocharged engines.
CC	Obsolete	For engines introduced in 1961.
СВ	Obsolete	For moderate duty engines from 1949 to 1960.
CA	Obsolete	For light duty engines (1940's and 1950's).

# **» ILSAC STANDARD FOR PASSENGER CAR ENGINE OILS**

CATEGORY	STATUS	SERVICE
GF-5		Introduced in October 2010 for 2011 and older vehicles, designed to provide improved high temperature deposit protection for pistons and turbochargers, more stringent sludge control, improved fuel economy, enhanced emission control system compatibility, seal compatibility, and protection of engines operating on ethanol-containing fuels up to E85.
GF-4		Valid until September 30, 2011. Use GF-5 where GF-4 is recommended.
GF-3		Use GF-5 where GF-3 is recommended.
GF-2		Use GF-5 where GF-2 is recommended.
GF-1		Use GF-5 where GF-1 is recommended.

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## YOUR ULTRA ID

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## **KEY**

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MULTI-BRADE MINERAL GASOLINE
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MULTI-GRADE MINERAL DIESEL

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PICKING THE BEST FOR YOUR VEHICLE IS AS SIMPLE AS

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#### ED PRODUCTS FOR VEHICLES OVER 120,000 KM. REFER TO VEHICLE'S USER MANUAL FOR RECOMMENDED SPECIFICATIONS.

MONO-GRADE DIESEL	MONO-GRADE DIESEL	GASOLINE & DIESEL TRANSMISSION FUEL	GASOLINE & DIESEL GEAR OIL	GASOLINE & DIESEL COOLANT	OUTBOARD TWO STROKE	TWO STROKE	CNG	FOUR STROKE MOTOR CYCLE ENGINES
*ULTRA DIESEL PLUS HIGH MILEAGE 50	*ULTRA SUPER DUTY S3 30, 40, 50	ULTRA Supermatic, Ultra Multi-Vehicle ATF Fully Synthetic Dexron VI & CVT Fluid	ULTRA GEAR OIL HD 80W-90 & 85W-140	ULTRA RADOL PREMIUM Long Life Coolant Concentrate Premix 50:50	ULTRA SUPERSTREAM TCW-3	ULTRA TWO STROKE OIL	ULTRA CNG 15W-40	ULTRA POWERMAX 4T 10W-40 POWERTEC 10W-40 [Fully Synthetic]
7	8	9	10	11	12	13	14	15
API CF	API CF		API GL-5		API TC-W3	API TC	API CF	







# WORLD CLASS LUBRICANTS FOR TROPICAL CONDITIONS

# Trinidad & Tobago National Petroleum Marketing Company Limited

## **Lubricant Sales:**

625-1364-8 ext. 287 / 240 / 236

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## **Technical Support:**

625-1364-8 ext. 232/444

## dbryan@np.co.tt | mthomas@np.co.tt

## **Customer Service:**

625-1364-8 ext. 212 / 213 / 435 / 439 / 800-NPMC

## What's App:

682-NPMC customer\_service@np.co.tt







UltraLubricantsTT

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For all life's journeys



Do not dispose of used oil in drains, soil or water. Take used oil to designated Waste Oil locations.