

"In the name of Allah, the Most Gracious, the Most Merciful"



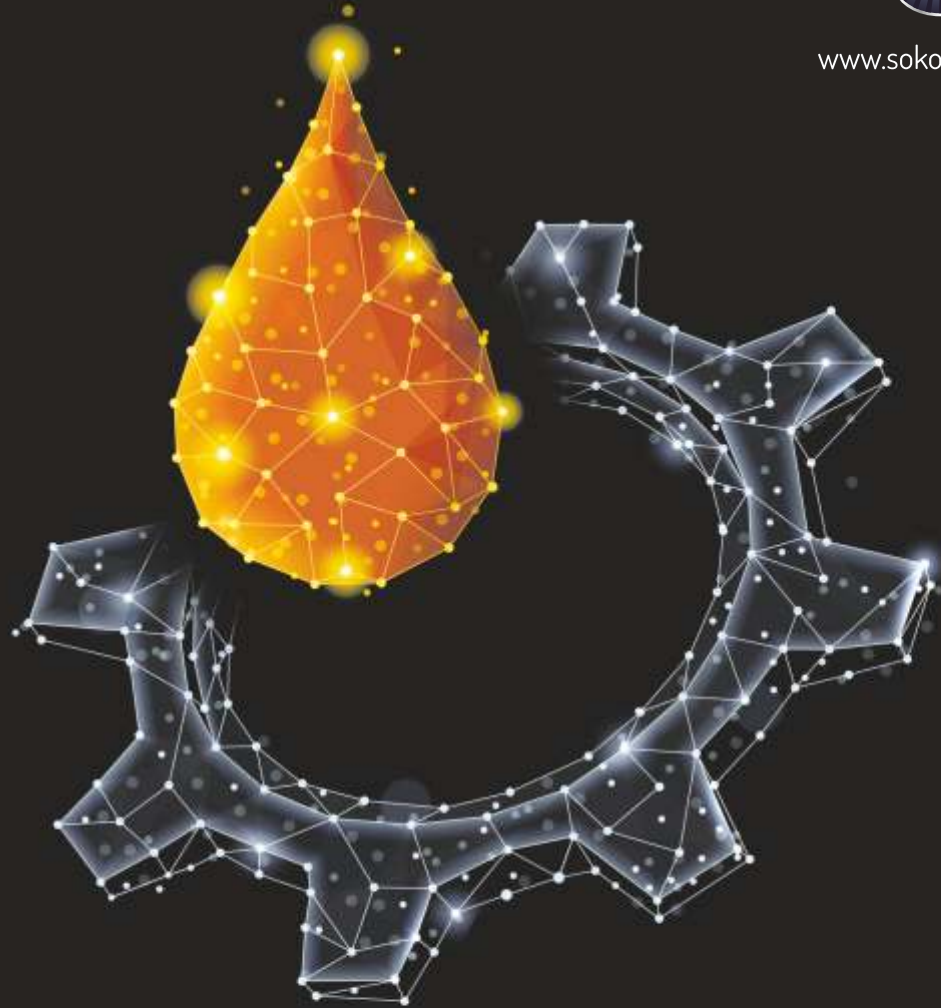
# **FORTE<sup>TM</sup> TURBO**

**PREMIUM ENGINE OIL**



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

HIGH  
PERFORMANCE  
LUBRICANTS







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

## ABOUT US

Forte Turbo Lubricants the most sensible choice for lubricants...

Forte Turbo lubricants was started in the year 2000 and gained excellence and refinement over the period of time with the use of most sophisticated machineries. Since inception, it has been our endeavor to achieve highest quality benchmarks, and ever since, we have been following international standards of ISO-9001-2015; OHSAS 18001-2007 and ISO-14001-2015, Which guarantees product integrity and maximum quality control over the entire range. Our products are best formulated from the Finest Middle East and European Base oil stocks. Our pride is our qualified and topnotch team, who design and ensure the excellence in our products, keeping us up to date with the latest norms of the lubricant world. We have built our business by establishing meaningful relationships and paying the highest attention to our processes and quality systems.

Forte Turbo specializes in automotive and industrial lubricants. The QA team ensures to have checked all the products against all the quality parameters before they proceed for shipment. Our complete range of high-quality lubricants have kept us ahead of the competition in the global industry. Our passion for being recognized as a global supplier has enabled us to achieve successful representation and substantial growth in more than 16 countries worldwide, and still counting.

Forte Turbo Lubricants is manufactured and marketed by SOKO PLAZA GENERAL TRADING LLC., which is known for its reputation in appointing the best factories to manufacture its products and timely dispatchment of its consignment with the best possible logistics.

SOKO PLAZA GENERAL TRADING LLC believes that its success has been driven by its passion, as well as the business ethics favoring the best partnership program for its business associates, who pledge alongside to deliver exceptional service. The company takes pride in its ability to go above and beyond for its partners, dealers, and end-users. The core values of the company have been Honesty and Sincerity, which have helped to build formidable and meaningful business connections. Through fairness, authenticity and integrity, the company has earned the trust and faith of all its associates.

At its core, SOKO PLAZA GENERAL TRADING LLC is devoted to challenge the status quo and to amaze its customers. From SOKO PLAZA GENERAL TRADING LLC, you can expect quality merchandise, solid expertise, strong support and flexibility to match your market needs. Let's work together towards building successful lubricant brand. This is what makes us unique, this is what is Forte Turbo Lubricants...!



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Heavy Duty  
**ENGINE OILS**  
**Excellent** All-Round  
Consumption for Fleet







# ENGINE OIL

SAE - 50 | 15W40



Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

Forte Turbo Diesel Engine Oil is a premium quality heavy duty lubricant designed specifically to meet wide range of diesel engines. The Oil is Blended with high quality base oils which incorporate with advanced additive packages in order to provide extended drain interval with full performance satisfaction on road and off road engine under moderate to severe service conditions.

## APPLICATION

It is formulated for use in all types of diesel engines such as Truck, Bus, MUV, Taxi, Tractor, Pump set & Diesel Generator.

## BENEFITS

- Efficient Lubricant power in order to reduce friction over a wide range of operating temperature.
- Protects against control over were corrosion and rust
- Exceptional resistance to oxidation and forming
- Excellent detergency and dispersive properties which ensure a clean engine.

| S. No.    | Test Description           | Test Method  | Results |       |       |       |       |       |       |       |       |
|-----------|----------------------------|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAE Grade |                            |              | 40      | 50    | 5W30  | 10W30 | 5W40  | 10W40 | 15W40 | 20W40 | 20W50 |
| 1         | Appearance                 | Visual       | C & B   | C & B | C & B | C & B | C & B | C & B | C & B | C & B | C & B |
| 2         | Color                      | ASTM - D1500 | 2       | <2.5  | <2    | <2    | 2     | 2     | 2.5   | 2.5   | 2.5   |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 14B.2   | 225.3 | B0.65 | 90.96 | 116.2 | 133.6 | 137.7 | 142.2 | 225.9 |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 16.23   | 21.29 | 12.05 | 12.31 | 15.51 | 15.91 | 16.17 | 15.77 | 20.95 |
| 5         | Viscosity Index            | ASTM - D2270 | 116     | 113   | 145   | 130   | 141   | 126   | 125   | 116   | 110   |
| 6         | Pour Point °C              | ASTM - 097   | -8      | -9    | -41   | -36   | -42   | -37   | -33   | -25   | -28   |
| 7         | Flash Point, °C (COC)      | ASTM - 092   | 238     | 240   | 219   | 220   | 222   | 225   | 266   | 229   | 230   |
| 8         | Water in Petroleum Product | ASTM - 095   | Nil     | NIL   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.883   | 0.883 | 0.871 | 0.871 | 0.875 | 0.877 | 0.879 | 0.881 | 0.886 |
| 10        | TBN, mg KOH/g              | ASTM - D2896 | 6       | 6     | 11    | 11    | 11.5  | 11    | 12    | 11    | 11    |





# MOTOR OIL

SAE - 40 | 20W50



Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

Forte Turbo Motor Engine Oil is a premium quality heavy duty lubricant designed specifically to meet wide range of passenger car engines and light industrial vehicles. The oil is blended with high quality base oils which incorporate with advanced additive packages in order to provide excellent protection against rust & corrosion and improve high temperature oxidation control.

## APPLICATION

It is formulated for use in all types of petrol engines in all operating conditions (city traffic, highway, motorways) during all seasons.

## BENEFITS

- Improved control of volatility and oil consumption
- Protects against soot, varnish, and sludge formation
- Highly effective control over wear, corrosion and rust
- Exceptional resistance to oxidation and foaming
- Excellent dispersive and detergent properties which ensure a clean engine
- Improved protection during start-up by maintaining protective oil film

| S. No.    | Test Description            | Test Method | Results |       |       |       |       |       |       |       |       |
|-----------|-----------------------------|-------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| SAE Grade |                             |             | SAE40   | SAE50 | 5W30  | 10W30 | 5W40  | 10W40 | 15W40 | 20W40 | 20W50 |
| 1         | Appearance                  | Visual      | C & B   | C & B | C & B | C & B | C & B | C & B | C & B | C & B | C & B |
| 2         | Color                       | ASTM-D1500  | 2       | 2.5   | <2    | <2    | 2     | 2     | 2.5   | 2.5   | 2.5   |
| 3         | Viscosity @ 40 °C, cst      | ASTM-D445   | 146.4   | 213.3 | 80.81 | 88.25 | 121.8 | 133.1 | 130.3 | 139.8 | 201.1 |
| 4         | Viscosity @ 100 °C, cst     | ASTM-D445   | 16,01   | 20.87 | 11.91 | 12.15 | 15.81 | 16.11 | 15.79 | 15.50 | 20,5  |
| 5         | Viscosity Index             | ASTM-D2270  | 115     | 116   | 142   | 132   | 138   | 129   | 128   | 115   | 120   |
| 6         | Pour Point. °C              | ASTM-D97    | -9      | -8    | -42   | -37   | -41   | -36   | -32   | -27   | -26   |
| 7         | Flash Point. °C (COC)       | ASTM-D92    | 235     | 238   | 215   | 219   | 223   | 222   | 225   | 230   | 232   |
| 8         | Water in Petroleum Products | ASTM-D95    | Nil     | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9         | Density 0 15°C. Kg/L        | ASTM-D1298  | 0,880   | 0,886 | 0,870 | 0,875 | 0,876 | 0,875 | 0,878 | 0,880 | 0,883 |
| 10        | TBN. mg KOH/g               | ASTM-D2896  | 4,5     | 6     | 8     | 8     | 8,5   | 8,5   | 9,5   | 9     | 9     |





2T 4 STROKE  
ENGINE OIL

4T 4 STROKE  
ENGINE OIL



Packing Size : 1L | 20L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



DESCRIPTION

Forte Turbo 4T Motorcycle Oil is a premium quality multi grade lubricant formulated with high performance clutch fabrication additive packages.

Forte Turbo 2T Motorcycle Oil is a premium quality lubricant formulated of two-stroke gasoline engines such as motorcycle, scooters, lawn mowers, chain saws, domestic horticultural machines.

APPLICATION

Forte Turbo 4T Motorcycle Oil is formulated for use in passenger cars, light duty diesel & four-stroke engines.

Forte Turbo 2T Motorcycle Oil is formulated for use in all type of two-stroke engines and two & three wheelers where API TC and JASO FC required.

BENEFITS

- Quicker ignition
- Highly effective control over wear, corrosion and rust
- Low smoke, low ash formation
- Strong lubrication film and high oxidation stability provide excellent high-temperature resistance
- Reduce spark plugs fouling and piston deposit

| S. No.    | Test Description           | Test Method  | Results    |            |          |          |          |
|-----------|----------------------------|--------------|------------|------------|----------|----------|----------|
| SAE Grade |                            |              | 2T SAE 20  | 2T SAE 30  | 4T 10W40 | 4T 20W40 | 4T 20W50 |
| 1         | Appearance                 | Visual       | C & B      | C & B      | C & B    | C & B    | C & B    |
| 2         | Color                      | ASTM - D1500 | Green/Blue | Green/Blue | 2.5      | 2.5      | 2.5      |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 71.87      | 107.2      | 128.2    | 150.3    | 229.2    |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 9.125      | 11.97      | 15.35    | 15.86    | 20.65    |
| 5         | Viscosity Index            | ASTM - D2270 | 102        | 101        | 124      | 110      | 106      |
| 6         | Pour Point °C              | ASTM - D97   | -13        | -15        | -30      | -25      | -27      |
| 7         | Flash Point, °C (COC)      | ASTM - D92   | 210        | 212        | 226      | 229      | 235      |
| 8         | Water in Petroleum Product | ASTM - D95   | Nil        | Nil        | Nil      | Nil      | Nil      |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.875      | 0.879      | 0.8799   | 0.875    | 0.881    |
| 10        | TBN, mg KOH/g              |              | 5.5        | 5.5        | 6        | 6        | 7        |





# GEAR OIL

SAE - 90 | SAE - 140



Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

Forte Turbo Gear Oil is a premium quality heavy duty multipurpose lubricant formulated from high quality mineral base oils and extreme pressure additives for use in gear boxes, axles, transfer cases and hypoid gears operating under very severe operating conditions. The product range includes mono and multi-grade version to satisfy the viscosity requirements of various equipments.

## APPLICATION

It is formulated for use in all spur, spiral, beval and hypoid gear applications in commercial vehicles, passengers cars and contracting equipments.

## BENEFITS

- Excellent stability for a longer service life
- Excellent load carrying capabilities
- Highly effective control over wear, corrosion and rust
- Excellent transmission Life
- Excellent noise suppression and smooth gear shift

| S. No.    | Test Description           | Test Method  | Results |        |        |        |        |       |
|-----------|----------------------------|--------------|---------|--------|--------|--------|--------|-------|
| SAE Grade |                            |              | 90      | 140    | 75W80  | 80W90  | 80W90  | 80W90 |
| 1         | Appearance                 | Visual       | C & B   | C & B  | C & B  | C & B  | C & B  | C & B |
| 2         | Color                      | ASTM - D1500 | <2.5    | <3.0   | <2.5   | <2.5   | <2.5   | <3.5  |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 190     | 359    | 76.21  | 172.7  | 140.1  | 344   |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 17.51   | 26.01  | 10.80  | 16.95  | 15.01  | 25.5  |
| 5         | Viscosity Index            | ASTM - D2270 | 100     | 96     | 130    | 105    | 108    | 97    |
| 6         | Pour Point °C              | ASTM - D97   | -21     | -15    | -42    | -42    | -30    | -19   |
| 7         | Flash Point, °C (COC)      | ASTM - D92   | 220     | 224    | 220    | 222    | 218    | 222   |
| 8         | Water in Petroleum Product | ASTM - D95   | Nil     | Nil    | Nil    | Nil    | Nil    | Nil   |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.8792  | 0.8860 | 0.8811 | 0.8811 | 0.8819 | 0.885 |





# HYDRAULIC OIL

ISO-68 | AW-10



Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

Forte Turbo Hydraulic Oil is a premium quality heavy duty lubricant formulated with highly refined base stocks and well balanced package of advanced anti-corrosion, antioxidant and antifoam additives. The product is available in different ISO Viscosity Grades to suit the ambient operating temperature requirements.

## APPLICATION

It is formulated for use in high pressure hydraulic systems, in all mobile and stationary equipments, operating under severe working conditions, It is also used for circulation systems, compressor, pump, bearing and gear lubrication where recommended

## BENEFITS

- Extended oil drain interval
- Outstanding thermal and hydraulic stability
- Excellent demulsibility characteristic and good share stability
- Exceptional resistance to oxidation and foaming
- Highly effective for control over wear, corrosion and rust
- Low pour point ensure good fluidity in cold climates

| S. No.    | Test Description           | Test Method  | Results |       |       |       |       |       |       |
|-----------|----------------------------|--------------|---------|-------|-------|-------|-------|-------|-------|
| SAE Grade |                            |              | 22      | 32    | 46    | 68    | 100   | 150   | 220   |
| 1         | Appearance                 | Visual       | C & B   | C & B | C & B | C & B | C & B | C & B | C & B |
| 2         | Color                      | ASTM - D1500 | 2.0     | 2.0   | 2.0   | 2.0   | 2.0   | <2.5  | <2.5  |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 22.5    | 32    | 32    | 68.5  | 68.5  | 150   | 220   |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 4.35    | 5.37  | 5.37  | 8.81  | 8.81  | 15.25 | 20.09 |
| 5         | Viscosity Index            | ASTM - D2270 | 98      | 99    | 99    | 100   | 100   | 102   | 105   |
| 6         | Pour Point °C              | ASTM - D97   | -12     | -10   | -10   | -12   | -12   | -10   | -12   |
| 7         | Flash Point, °C (COC)      | ASTM - D92   | 201     | 204   | 204   | 208   | 208   | 212   | 216   |
| 8         | Water in Petroleum Product | ASTM - D95   | Nil     | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.864   | 0.865 | 0.865 | 0.873 | 0.873 | 0.875 | 0.877 |





# AUTOMATIC TRANSMISSION FLUID (A-TYPE)



Packing Size : 1L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

Fort Turbo ATF is a premium quality multi-purpose fluid which can be used in automatic transmissions and power steering units of many types of vehicles. It is designed to withstand high pressure encountered in hydrostatic systems. It has high viscosity index, low pour point and special additives to increase oxidation resistance, trust, corrosion protection and anti-were properties.

## APPLICATION

It is formulated for use in all type of automatic gears, torque convertors, transmission systems, power steering and hydraulic circuits.

## BENEFITS

- Excellent oxidation resistance and thermal stability
- suitable for both automotive and industrial applications
- High effective control over were, corrosion and rust
- Ensures efficient operation of power steering units under all conditions
- Proper frictional properties for smooth shifting and excellent anti-shudder performance

| S. No.    | Test Description           | Test Method  | Results |       |       |       |       |       |
|-----------|----------------------------|--------------|---------|-------|-------|-------|-------|-------|
| SAE Grade |                            |              | Type A  | II    | III   | IV    | V     | VI    |
| 1         | Appearance                 | Visual       | C & B   | C & B | C & B | C & B | C & B | C & B |
| 2         | Color                      | ASTM - D1500 | Red     | Red   | Red   | Red   | Red   | Red   |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 51.35   | 46.01 | 46.05 | 40.31 | 40.99 | 37.01 |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 7.501   | 7.001 | 6.953 | 7.211 | 7.345 | 6.812 |
| 5         | Viscosity Index            | ASTM - D2270 | 109     | 110   | 108   | 144   | 145   | 145   |
| 6         | Pour Point °C              | ASTM - 097   | -20     | -23   | -25   | -40   | -42   | -44   |
| 7         | Flash Point, °C (COC)      | ASTM - 092   | 200     | 203   | 206   | 215   | 218   | 220   |
| 8         | Water in Petroleum Product | ASTM - 095   | Nil     | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.851   | 0.862 | 0.865 | 0.866 | 0.867 | 0.867 |





Packing Size : 5L | 20L | 25L | 200L | 208L



Packing Size : 200ML | 250ML | 500ML

Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.

## COOLANT ANTIFREEZE BRAKE FLUID

### COOLANT ANTIFREEZE

#### DESCRIPTION

**FORT TURBO** Coolant/Antifreeze is a premium quality concentrated ethylene glycol based engine coolant/antifreeze. it is formulated with latest organic technology which gives long time protection and suited for year round use in cars, in Light and heavy duty trucks, specially made for cooling system components.

#### APPLICATION

It is formulated for use as a radiator coolant/antifreeze for all kind of passenger cars, heavy vehicles and industrial generators ethylene glycol as per freezing and boiling point requirements.

#### BENEFITS

- Protects the cooling system against freezing in winter and boil-over in summer
- Chemical inhibitors minimize corrosion of copper, solder, brass, steel, cast, cast iron and aluminium metals which are commonly used in coolant systems.

| S. No.                   | Physical Properties       | Results |        |       |
|--------------------------|---------------------------|---------|--------|-------|
| Antifreeze Concentration |                           | 100%    | 50%    | 30%   |
| 1                        | Appearance                | Pink    | Yellow | Green |
| 2                        | Density @ 20 °C. Kg/L     | 1.109   | 1.056  | 1.041 |
| 3                        | Boiling Point. °C         | 160     | 120    | 115   |
| 4                        | Water Content, wt %       | 3.12    | 50     | 70    |
| 5                        | pH. 50% solution in water | 8.5     | 8.2    | 8.1   |
| 6                        | Freezing Point. °C        | -55     | -37    | -24   |

### BRAKE FLUID

#### DESCRIPTION

**FORT TURBO** Brake Fluid is a premium quality fluid that has exceptional anti vapor lock properties, thus effectively minimizing the risk of brake failure at very high temperatures experienced in modern disc brake system. It is compatible with the various metals used in braking systems, and offers excellent protection from corrosion and wear.

#### APPLICATION

It is formulated for use in automotive disc brake systems and all hydraulic brake systems with the exception of those where a mineral oil based fluid is required. It is suitable for use where the vehicle manufacturer specifies either DOT 3 of DOT 4 fluids.

#### BENEFITS

- Excellent Lubricity properties
- Smooth and safe braking
- Very good seal compatibility
- Highly effective control over wear, corrosion and rust

| S. No.       | Test Description      | Test Method  | Results     |             |
|--------------|-----------------------|--------------|-------------|-------------|
| ISO VG GRADE |                       |              | DOT - 3     | DOT - 4     |
| 1            | Appearance            | Visual       | Light Amber | Light Amber |
| 2            | Color                 | ASTM - D2983 | <1500       | <1800       |
| 3            | Viscosity @ 40°C csl  | ASTM - D445  | >1.5        | >1.5        |
| 4            | Viscosity @ 100°C csl | ASTM - D1121 | 7-11.5      | 7-11.5      |
| 5            | Viscosity Index       | SAE J1703    | 240         | 265         |
| 6            | Pour Point °C         | SAE J1703    | 148         | 163         |







## GREASE

### CALCIUM MP-3



Packing Size : 200g | 500g | 1kg. | 15kg | 180kg  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



#### DESCRIPTION

FORTE TURBO series greases are multipurpose high quality multipurpose grease formulated with high quality base oils and a set of additive packages which includes oxidation and rust inhibitors for use in a wide range of heavy duty on-road trucking and automotive applications. These are manufactured from high quality solvent refined base oils and performance additives to provide good structural stability, resistance to water washout and effective protection from wear and corrosion. FORTE TURBO MP greases are available in NLGI 1, 2 and 3.

#### APPLICATION

- Wheel bearing and chassis component lubrication applications in heavy duty trucking and automotive vehicles
- General lubrication of axles, ball joints, universal joints, power take-offs, king pins, bushings and disc brakes
- Other automotive and industrial applications where calcium and sodium based grease are not suitable for use.

#### BENEFITS

- Improved mechanical stability and resistance to softening ensures long lubricant life and prevents leak out of bearings
- Good corrosion protection and resistance to water washout resulting in improved component protection and equipment life
- Good low temperature fluidity/ pumpability even in cold weather making it ideal for use in centralized lubrication systems on vehicles as well as industrial applications
- High drop point ensures extended operating range of up to 120°C

| S. No.    | Test Description          | Test Method | Results   |           |           |
|-----------|---------------------------|-------------|-----------|-----------|-----------|
| NLGI      |                           |             | 2         | 3         | 3         |
| Soap Type |                           |             | Lithium   | Lithium   | Lithium   |
| 1         | Appearance                | Visual      | Yellow    | Yellow    | Yellow    |
| 2         | Pénétration worked @ 25°C | ASTM-D217   | 265 - 295 | 220 - 250 | 220 - 250 |
| 3         | Dropping Point            | ASTM-D566   | 205       | 211       | 295       |





# COMPRESSOR OIL TURBINE OIL



Packing Size : 25L | 200L | 208L | 1000L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.

## COMPRESSOR OIL

### DESCRIPTION

**FORT TURBO** Compressor Oil is a premium quality lubricant designed to meet the stringent requirements of the major compressor manufactures.

The product is formulated with high quality paraffinic case oils combined with superior additive package designed to promote oxidation resistance, corrosion protection and robust extreme pressure characteristics.

### APPLICATION

It is formulated for use in all types of high performance rotary air compressors/screw compressors and vacuum pump both for stationary and mobile applications. It can also be used in journal bearing anti-friction bearings for fan operating at high speed and temperatures

### BENEFITS

- Very good oxidation resistance.
- Effective air release and anti foam properties
- Excellent rusting and wear protection properties.
- Maintains internal surface cleanliness and longer oil drains intervals.
- Extending the service life of the separating elements.

## TURBINE OIL

### DESCRIPTION

**FORT TURBO** Turbine Oil is a premium quality lubricant specially designed for the Lubrication of hydraulic, steam or gas turbines. The product is blended from highly refined base oils with high quality additives inhibited to enhance their rust and oxidation properties. The performance features of FORT TURBO Turbine Oil translates into excellent equipment protection, reliable operation, with reduced downtime and extended oil change life.

### APPLICATION

It is formulated for use in all types of steam engines, industrial steam turbines, turbines air compressors and certain oil lubricated bearings. The products can also be used in centrifugal compressors or turbo chargers. It meets or exceeds the requirements of major steam and gas turbine builders in the appropriate recommended grade

### BENEFITS

- High oxidation resistance, anti foam, air and water release performance
- Excellent thermal and oxidation stability.
- High antiwear properties allowing the lubrication of the gear boxes driven by the turbine
- Rust and corrosion protection.

| S. No.    | Test Description           | Test Method  | Results |       |       |       |       |       |       |
|-----------|----------------------------|--------------|---------|-------|-------|-------|-------|-------|-------|
| SAE Grade |                            |              | 22      | 32    | 46    | 68    | 100   | 150   | 220   |
| 1         | Appearance                 | Visual       | C & B   | C & B | C & B | C & B | C & B | C & B | C & B |
| 2         | Color                      | ASTM - D1500 | 2.0     | 2.0   | 2.0   | 2.0   | 2.0   | <2.5  | <2.5  |
| 3         | Viscosity @ 40°C csl       | ASTM - D445  | 22.0    | 32.0  | 460.0 | 68.0  | 100.0 | 150.0 | 220.0 |
| 4         | Viscosity @ 100°C csl      | ASTM - D445  | 4.35    | 5.37  | 6.74  | 8.81  | 11.29 | 15.25 | 20.09 |
| 5         | Viscosity Index            | ASTM - D2270 | 98      | 99    | 98    | 100   | 98    | 102   | 105   |
| 6         | Pour Point °C              | ASTM - 097   | -16     | -16   | -14   | -14   | -15   | -14   | -12   |
| 7         | Flash Point, °C (COC)      | ASTM - 092   | 201     | 204   | 208   | 208   | 210   | 212   | 216   |
| 8         | Water in Petroleum Product | ASTM - 095   | Nil     | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9         | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.864   | 0.865 | 0.869 | 0.873 | 0.872 | 0.875 | 0.877 |







# MARINE OIL

SAE-30 | SAE-40 | SAE-50



Packing Size : 25L | 200L | 208L | 1000L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



## DESCRIPTION

FORT TURBO Marine Oil is a premium quality high performance mono-grade marine lubricant formulated in order to meet the requirements of medium speed diesel engines continuously working under full load condition. The product is available in different base number and viscosity grades to suit most marine engine requirements. The series are designed with advance additive package to provide balance of detergency and dispersancy to attain the long drain interval with maximum protection of engine components.

## APPLICATION

It is formulated for use in medium speed trunk piston diesel engines operating on high sulphur residual fuels.

## BENEFITS

- Improved control volatility and consumption
- High effective control over wear, corrosion and rust
- Exceptional resistance to oxidation and forming
- Excellent detergency and dispersive properties which ensure a clean engine
- High degree of water tolerance, water separation and base retention properties
- reduce sludge formation and enhances engine performance for longer performance for longer period of time

| S. No.       | Test Description           | Test Method  | Results |       |       |       |       |       |       |
|--------------|----------------------------|--------------|---------|-------|-------|-------|-------|-------|-------|
| Product Code |                            |              | 3030    | 3040  | 4030  | 4040  | 5040  | 5050  | 5070  |
| SAE Grade    |                            |              | 30      | 30    | 40    | 40    | 50    | 50    | 50    |
| 1            | Appearance                 | Visual       | C & B   | C & B | C & B | C & B | C & B | C & B | C & B |
| 2            | Color                      | ASTM - D1500 | <3      | <3    | <3    | <3    | <3    | <3    | <3    |
| 3            | Viscosity @ 40°C csl       | ASTM - D445  | 113.7   | 167.3 | 167.3 | 158.8 | 256.5 | 224.5 | 224.1 |
| 4            | Viscosity @ 100°C csl      | ASTM - D445  | 12.25   | 16.11 | 16.11 | 15.65 | 20.95 | 19.87 | 19.59 |
| 5            | Viscosity Index            | ASTM - D2270 | 98      | 100   | 100   | 101   | 97    | 102   | 100   |
| 6            | Pour Point °C              | ASTM - 097   | -16     | -16   | -16   | -18   | -16   | -19   | -15   |
| 7            | Flash Point, °C (COC)      | ASTM - 092   | 233     | 233   | 228   | 232   | 230   | 226   | 225   |
| 8            | Water in Petroleum Product | ASTM - 095   | Nil     | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| 9            | Density @ 15 °C, Kg/L      | ASTM - D1298 | 0.883   | 0.885 | 0.876 | 0.875 | 0.876 | 0.879 | 0.882 |
| 10           | TBN, mg KOH/g              | ASTM - D2896 | 30      | 40    | 40    | 40    | 40    | 50    | 70    |



## FULLY SYNTHETIC ENGINE OIL

Forte Turbo's most  
**advanced formulation**  
for high-performance engines

**FORTE  
TURBO**  
PREMIUM ENGINE OIL

# FORTE TURBO™ STARCK

Today's vehicles need a motor oil that keeps pace with their changing demands and does more to improve performance and engine life. This is why Forte Turbo came up with an entirely new way to produce synthetic oils with its unique technology.

Forte Turbo Starck extreme is a range of top-tier motor oil that is formulated using the unique Technology, yielding a motor oil that actively helps keep engines clean. The unique Technology allows the product to provide even higher levels of cleansing and protection.

**FORTE  
TURBO**  
PREMIUM ENGINE OIL

**STARCK**  
EXTREME

0W-20

### FORTE TURBO STARCK

#### EXTREME

#### FULLY SYNTHETIC MOTOR OILS

FORTE TURBO STARCK EXTREME fully synthetic oils are manufactured from 100% synthetic base stock and high quality additives to achieve higher performance levels than both synthetic technology and mineral oils. To these high quality synthetic base oils, we add our exclusive Forte Protection to create a motor oil that helps provide superior cleansing and protection for today's engines.

Fully synthetic motor oils help protect your engine.

It is not just freezing Arctic conditions or blistering deserts that push oil to extremes. Everyday motorway driving or congested city traffic, where the car repeatedly has to start and stop, can mean severe conditions for engine oil. FORTE TURBO STARCK Extreme fully synthetic formulation offers FORTE TURBO's maximum protection with Forte Protection in very hot and extremely cold climates, and severe driving conditions.

**Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L**  
**Other packing size could be available upon request**

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



**Specifications : API SN; ILSAC GF-5; ACEA C2**  
**For Gasoline Engines**

- Unsurpassed sludge protection - motor oil that can keep your engine closer to factory clean
- Low viscosity and low friction characteristics for up to 2.2% greater fuel economy
- No loss of engine power or fuel economy even after 100,000 km
- Easier cold starting
- Based on data from a field test of 100,000-km duration
- Compared with higher-viscosity oils





Specifications : API : SL/CF; ACEA C2/C  
Multi Grade Oil For Diesel & Gasoline Engines

- Unsurpassed sludge protection – motor oil that can keep your engine closer to factory clean
- Low viscosity & low friction characteristics for up to 2.2% greater fuel economy
- Easier cold starting
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends
- Based on data from a field test of 100,000-km duration
- Compared with higher-viscosity oils

STARCK  
EXTREME

0W-30 | 0W-40



Specifications : API : SN/CF; ACEA C2/C3  
Multi Grade Oil For Diesel & Gasoline Engines

- Unsurpassed sludge protection – motor oil that can keep your engine closer to factory clean
- Low viscosity & low friction characteristics for up to 1.9% greater fuel economy
- Superior wear and corrosion protection
- Easier cold starting
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends
- Compared with API SN specification, tests carried out at an independent laboratory
- Compared with higher-viscosity oils



Specifications : API SN; ILSAC GF-5; ACEA C2/C3  
For Gasoline Engines

- Unsurpassed sludge protection – motor oil that can keep your engine closer to factory clean
- Current ACEA C5 specification
- MAXIMUM wear protection, minimum sludge formation reduced piston deposits and maximised fuel economy.
- LONG engine oil drain intervals
- EXTENDED exhaust catalyst & oxygen sensor life
- Compared with API SN specification, tests carried out at an independent laboratory

STARCK  
EXTREME

5W-20 | 5W-30



Specifications : API SL/CF; ACEA C2/C3  
Multi Grade Oil For Diesel And Gasoline Engines

- Unsurpassed sludge protection – motor oil that can keep your engine closer to factory clean
- Low viscosity and low friction characteristics for up to 2.2% greater fuel economy
- Easier cold starting
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends
- Compared with API SN specification, tests carried out at an independent laboratory
- Compared with higher-viscosity oils





Specifications : API SN; ILSAC GF-5  
For Gasoline Engines

- Unsurpassed wear and sludge protection
- Leaves pistons cleaner than the industry standard
- Enhanced fuel economy, with a corresponding reduction in emissions
- Based on Sequence VID fuel economy test compared with the industry reference oil

**STARCK**  
EXTREME

10W-30 | 10W-40



Specifications : SN/CF; ACEA A3/B4  
Multi Grade Oil For Diesel & Gasoline Engines

- Unsurpassed sludge protection – motor oil that can keep your engine closer to factory clean
- Provides exceptional bearing protection under extreme-performance and racing conditions
- Superior wear and corrosion protection
- Developed in association with Ferrari for racing and modified engines
- Compared with lower viscosity oils.
- Compared with API SN specification
- Tests carried out at an independent laboratory



www.forteturbo.com



The Forte Turbo passenger car line is developed to meet internationally accepted and required standards such as ACEA, API, and ILSAC. The products meet all important OEM requirements from major brands like VW, Ford, Mercedes Benz, Renault, GM, Chrysler, Volvo, BMW, Toyota, and Porsche. Forte Turbo ensures that your engine, transmission, hydraulic system, and other key components receive the best level of protection while extending component lifespan and keeping the cost of ownership down.







**STARCK**  
PREMIUM

5W-30



Specifications : API SL/CF, ACEA A3/B3  
For Diesel & Gasoline Engines

- Makes use of both synthetic and mineral base stocks to achieve higher performance levels than can be formulated from mineral oils alone
- Helps to extend engine life by protecting against wear, even in daily traffic conditions
- Low viscosity and low friction characteristics for enhanced fuel economy
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends

### FORTE TURBO STARCK PREMIUM SEMI SYNTHETIC MOTOR OILS

FORTE TURBO STARCK PREMIUM semi-synthetic or synthetic technology oils make use of both synthetic and mineral base stocks to achieve higher performance levels that is formulated from mineral oils alone.

Semi synthetic motor oils help protect your engine.

FORTE TURBO STARCK PREMIUM synthetic technology motor oils go on cleansing and protecting to help keep your engine feeling like new, consuming lesser oil leading to lower frequency of top up. FORTE TURBO STARCK PREMIUM synthetic technology formulation with Forte Protection offers maximum protection in very hot and extremely cold climates, and severe driving conditions.

Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L  
Other packing size could be available upon request

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



**STARCK**  
PREMIUM

5W-40 | 10W-30



Specifications : API SL/CF, ACEA A3/B4,  
For Diesel & Gasoline Engines

- Makes use of both synthetic and mineral base stocks to achieve higher performance levels than can be formulated from mineral oils alone
- Helps to extend engine life by protecting against wear, even in daily traffic conditions
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends

Specifications : API CG4/SL; ACEA A3/B3  
For Diesel Engines

- Makes use of both synthetic and mineral base stocks to achieve higher performance levels than can be formulated from mineral oils alone
- Actively locks away harmful performance-robbing deposits
- Helps to extend engine life by protecting against wear, even in daily traffic conditions





Specifications : API SL/CF; ACEA A3/B4; SG+  
Multi Grade Oil For Diesel And Gasoline Engines

- Makes use of both synthetic and mineral base stocks to achieve higher performance levels than can be formulated from mineral oils alone
- Helps to extend engine life by protecting against wear, even in daily traffic conditions
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends

**STARCK**  
PREMIUM

10W-40 | 15W-40



Specifications : API SN/CF; ACEA A3/B3, A3/B4; JASO SG+  
Multi Grade Oil For Diesel And Gasoline Engines

- Synthetic technology motor oil - Long-term protection against sludge.
- Provides sludge protection with synthetic technology and mineral oil Helps to extend engine life by providing wear protection

ROYAL BLEND

**STARCK**

HEAVY-DUTY  
ENGINE  
OIL



FORTE TURBO ROYAL BLEND oils contain powerful antioxidant agents that adapt chemically to deactivate acids before they can damage your oil and your engine.

Whether it is piston deposits or crankcase sludge, dirt in your engine can reduce its efficiency and increase your fuel costs. FORTE TURBO ROYAL BLEND diesel engine oils contain molecules that adapt to remove and then block deposit-forming particles to help keep engines clean and protected.



**HIGH  
PERFORMANCE LUBRICANTS**





**STARCK**  
ROYAL BLEND

15W-40



**Specifications : API SL/CF, A3/B3**  
**Multi Grade Oil For Diesel And Gasoline Engines**

- Helps to protect against wear and neutralise corrosive combustion acids
- High total base number (TBN) to help combat corrosion and help to prevent engine damage and prolong engine life
- For gasoline, diesel and gas engines; also suitable for biodiesel and gasoline/ethanol blends

**FORTE TURBO STARCK**  
**ROYAL BLEND**  
**MULTI GRADE MINERAL OIL FOR**  
**DIESEL AND GASOLINE ENGINES**

FORTE TURBO STARCK ROYAL BLEND Mineral Engine oil is the fraction of organically occurring crude oil with the right properties for lubricating engines. FORTE TURBO STARCK ROYAL BLEND mineral motor oils protect your engine against harmful sludge and keep engines clean.

Forte Turbo Lubricants bring top class high tech insights to its products, offering you the best formulations for your vehicle.

FORTE TURBO STARCK ROYAL BLEND is designed for light duty trucks, heavy duty trucks and heavy-duty engines.

With Forte Protection, it protects against engine wear and tear caused by each start and stop throughout your day. The high-performance additive contains anti-corrosion components for a longer oil life in vehicles operating under high idle engine conditions. Dispersants in the additive package help break down the soot and deposits built-up irrespective of the type of load carried.

**Packing Size : 1L | 4L | 5L | 20L | 25L | 200L | 208L**  
**Other packing size could be available upon request**

Other grades of lubricants can be blended as per customer request. These typical result are of existing production the future production will confirm to our blending specification hence any component in these result will not effect the product performance.



**STARCK**  
ROYAL BLEND

15W-40 | 15W-40



**Specifications : API CH4**  
**Multi Grade Oil For Diesel And Gasoline Engines**

- Helps to protect against the build-up of piston deposits for continuing engine efficiency
- Exceeds performance limits in piston ring, cylinder liner and valve train wear tests for long engine life
- Helps to maintain performance in diesel engines

**Specifications : API CI-4, ACEA E7**  
**For Gasoline Engines**

- Over 50% more cleanliness control through reduced engine sludge
- Provides up to 50% more protection by helping to neutralise acids and to prevent corrosion



# **FORTE TURBO** PREMIUM ENGINE OIL

Forte Turbo works with different mining companies worldwide, therefore we understand the value of fast service. A 24-hour operating mine does not only need to rely on its products, but also on the service of their suppliers. Forte Turbo guarantees direct contact with our experts in order to solve any lubrication challenge.



## FORTE TURBO™ **STARCK**™



# **FORTE TURBO** PREMIUM ENGINE OIL

**STARCK**  
 ROYAL BLEND  
 20W-50 | SAE-50



Specifications : API SN  
 Premium Grade Oil For Gasoline Engines

- Helps to prevent engine sludge build-up
- Helps to extend engine life by providing wear protection

Specifications : API SL/CF  
 Monograde Motor Oil

- Monograde motor oil – Reliable protection for older engines.
- Helps to protect against harmful sludge and varnish deposits





Specifications : API GL-5, API MT-1, API PG-2  
Premium Mineral Heavy Duty Gear Oil

- Maximum protection
- High thermal stability for heavy duty usage
- Maintains cleanliness and reduces abrasive wear of critical parts
- Longer drain intervals by resisting high temperature degradation
- Superior protection against scoring and spalling wear
- Compatible with copper alloy components and protects against corrosion

## STARCK ROYAL BLEND

80W-90 | 80W-140



Specifications : API GL-5, API MT-1, API PG-2  
Premium Mineral Heavy Duty Gear Oil

- Maximum protection
- High thermal stability for heavy duty usage
- Maintains cleanliness and reduces abrasive wear of critical parts
- Longer drain intervals by resisting high temperature degradation
- Superior protection against scoring and spalling wear
- Compatible with copper alloy components and protects against corrosion

## FORTE TURBO™

# STARCK

At Forte Turbo we understand that your motorcycle is more than just means of transport. It is a way of living that challenges you. When you are driving you need to be able to fully trust your bike. Therefore it is important all parts and components receive the best level of protection while extending component lifetime and keeping the cost of ownership down. That is why we have developed a range of lubricants specially designed for motorcycles that lets you focus on enjoying your bike.

## HIGH PERFORMANCE LUBRICANTS

# BETTER RIDE

## 10000km







## Types of Motor Oils

### WHAT ARE THE DIFFERENCES BETWEEN SYNTHETIC OIL AND MINERAL OIL?

Motor oil is used to lubricate engine parts and decrease friction, but before filling your oil tank, it is important to choose the right oil, especially prior to the first fill. There are two main types of motor oils: mineral oils and synthetic oils. Let's explore their features and differences.

### WHAT IS A MINERAL MOTOR OIL?

Mineral oils are derived from the refining of crude petroleum. During the process, natural contaminants and unwanted hydrocarbons are removed. Mineral oils are ideal for older vehicle models that were developed to run on less technologically advanced lubricants; a reason why they're also a low-cost option for fleet managers and motorists. However, mineral oils do flow through engine circuits slower than synthetic oils, which can result in increased fuel consumption and impacted vehicle performance. Mineral oils also need to be changed more frequently than synthetic oils. However, if they are recommended by your automotive manufacturer, mineral oils can still provide high-quality lubrication, usually more so than synthetic lubricants.

### WHAT IS SYNTHETIC MOTOR OIL?

Composition of synthetic motor oils primarily designed for high performance engines, synthetic motor oils are a product of complex chemical transformations that are performed either directly on drilled crude petroleum or using preselected molecules. The difference with mineral oils resides in the transformation process: synthetic oil undergoes more sophisticated modification. Key points on synthetic oils: they contain fewer impurities than mineral oils they are chemically modified for both types of oil, additives are included to significantly improve their performance. These additives can protect against wear, oxidation, corrosion, or foam, or provide detergent or dispersant effects.

### WHAT IS THE DIFFERENCE BETWEEN SYNTHETIC AND SEMI-SYNTHETIC ENGINE OILS?

**There are several facets that set semi-synthetic engine oils apart from fully synthetic lubricants:**

- Semi-synthetic oils contain a mix of conventional 100% synthetic and mineral oils.
- There is no single industry definition of what they should constitute.
- Generally, semi-synthetic oils are more expensive than mineral oils and cheaper than fully synthetic oils.
- Semi-synthetic lubricants offer fewer performance enhancements, protect components less and degrade faster than synthetic oils.
- Semi-synthetic oils are purer, better flowing and longer-lasting than mineral oils.
- Semi-synthetic lubricants should only be used in more modern vehicles that have been designed to use them. These engines may still benefit from the use of fully synthetic oils, however. All oil types are not suited to all engines. Before choosing between standard mineral oil, semi-synthetic oil or synthetic oil, it is important to follow your vehicle manufacturer's recommendations.

## DIFFERENCE BETWEEN MONOGRADE & MULTIGRADE

### What is Monograde?

Monograde is an oil which is only suitable for use within a very narrow temperature range. SAE monograde oils usually fall into 2 main categories:

- a) The grades with a 'W' after them (SAE 5W, 10W, 15W and 20W) are only suitable for use in winter time because they are generally thin oils which are good for use in winter or for cold starting.
- b) The 'summer time' grades (SAE 20, 30, 40 and 50) are more suited for warmer or summer time temperatures or for use in an already hot engine.

The problem with monograde oils is that they can only operate efficiently over a narrow temperature range. For example, a SAE 10W oil is fairly thin, which is good for cold starting but it becomes too thin for effective lubrication as the temperatures rise, the oil gets hotter, it starts to lose its viscosity or thickness. An SAE 40 oil is fairly thick, which provides good lubrication when the engine is hot, but thick oils can cause drag when used from cold (e.g. starting the motorcycle first thing in the morning).

Gear and gear box oils, which are used in engines where the gearbox is separate from the engine, are monograde oils but they use a different range of SAE grades to measure their viscosity.

### What is Multigrade?

Multigrade oil is oil that has special polymer additives called viscosity index improvers (VIIs). VIIs are added to the oil to help bring the difference in viscosities for most monograde oil that is too large between the extremes of temperature, closer together. These additives also allow the oil to flow easily under cold and hot conditions.

Multigrade oil is designated with two numbers:

- The first one is followed by the letter "W". This first number indicates the viscosity (weight) of the oil in Winter (cold)
- The second number indicates the viscosity (weight) of the oil under normal engine temperature (hot). It is important for the oil to be thin enough to flow easily when cold. This protects the engine parts from undue wear in cold starting conditions.

### Advantages of Multigrade Oils

- One oil for year-round use
- Improved low-temperature starting
- Excellent high-temperature performance
- Improved overall fuel economy – less idling time and faster warm up
- Less battery drain on cold starts
- Faster, full-pressure lubrication over a wider temperature range





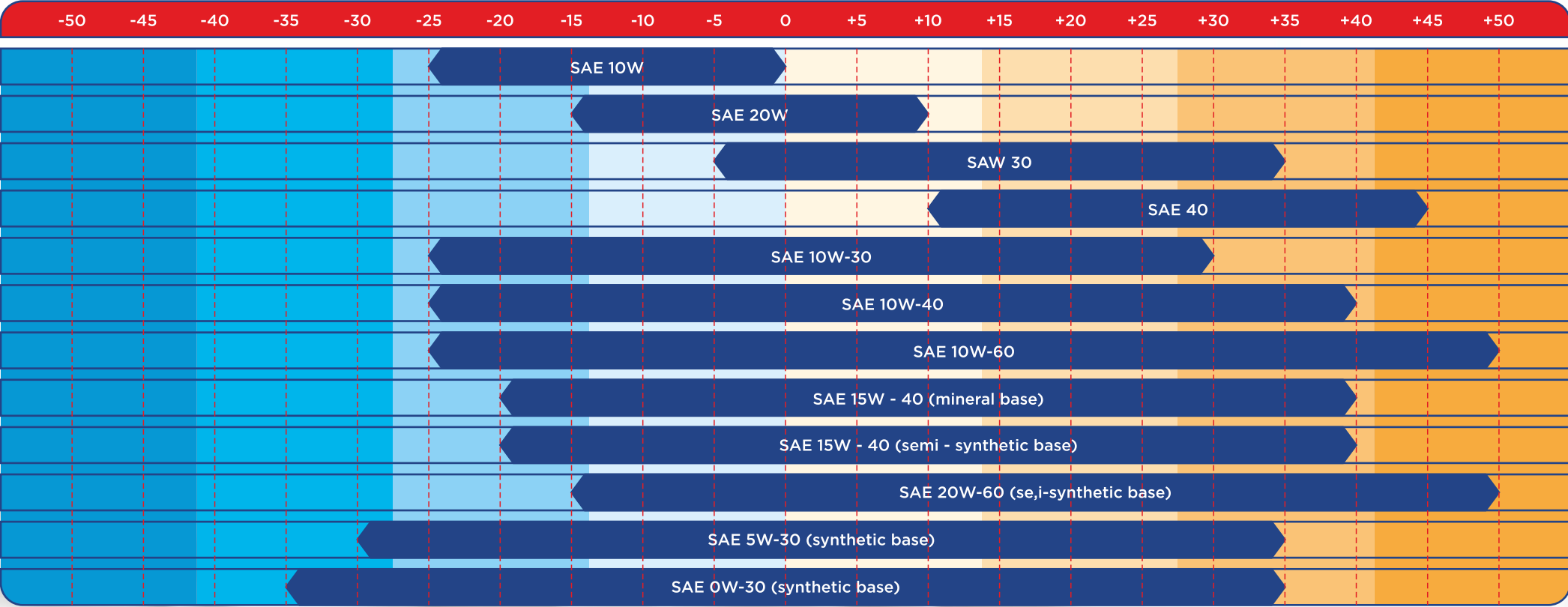
PASSENGER CAR MOTOR OIL  
SAE GRADES & VISCOSITY

| SAE Viscosity Grade | Low-Temperature (°C) Cranking Viscosity <sup>(3)</sup> , mPa-s Max | Low-Temperature (°C) Pumping Viscosity <sup>(4)</sup> , mPa-s Max with No Yield Stress <sup>(4)</sup> | Low-Shear-Rate Kinematic Viscosity <sup>(5)</sup> (mm²/S) at 100°C Min | Low-Shear-Rate Kinematic Viscosity <sup>(5)</sup> (mm²/S) at 100°C Max | High-Shear-Rate Viscosity <sup>(6)</sup> , (mPa-s) at 150 °C Min |
|---------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------|
| OW                  | 6200 at -35                                                        | 60000 at -40                                                                                          | 3.8                                                                    | -                                                                      | -                                                                |
| 5W                  | 6600 at -30                                                        | 60000 at -35                                                                                          | 3.8                                                                    | -                                                                      | -                                                                |
| 10W                 | 7000 at -25                                                        | 60000 at -30                                                                                          | 4.1                                                                    | -                                                                      | -                                                                |
| 15W                 | 7000 at -20                                                        | 60000 at -25                                                                                          | 5.6                                                                    | -                                                                      | -                                                                |
| 20W                 | 9500 at -15                                                        | 60000 at -20                                                                                          | 5.6                                                                    | -                                                                      | -                                                                |
| 25W                 | 13000 at 10                                                        | 60000 at -15                                                                                          | 9.3                                                                    | -                                                                      | -                                                                |
| 8                   | -                                                                  | -                                                                                                     | 4.0                                                                    | <6.1                                                                   | 1.7                                                              |
| 12                  | -                                                                  | -                                                                                                     | 5.0                                                                    | <7.1                                                                   | 2.0                                                              |
| 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 (OW-40, 5W-40, and 10W-40 grades)                            |
| 40                  | -                                                                  | -                                                                                                     | 12.5                                                                   | <16.3                                                                  | 3.7 (15W-40, 20W-40, 25W-40, 40 grades)                          |
| 50                  | -                                                                  | -                                                                                                     | 16.3                                                                   | <21.9                                                                  | 3.7                                                              |
| 60                  | -                                                                  | -                                                                                                     | 21.9                                                                   | <26.1                                                                  | 3.7                                                              |

Kinematic viscosity is graded by measuring the time it takes for a standard amount of oil to flow through a standard orifice, at standard temperatures. The longer it takes, the higher the viscosity and thus higher SAE code. Bigger numbers are thicker. The SAE has a separate viscosity rating system for gear, axle, and manual transmission oils, SAE J306, should not be confused with engine oil viscosity.

SAE GRADES & OIL VISCOSITY CHART

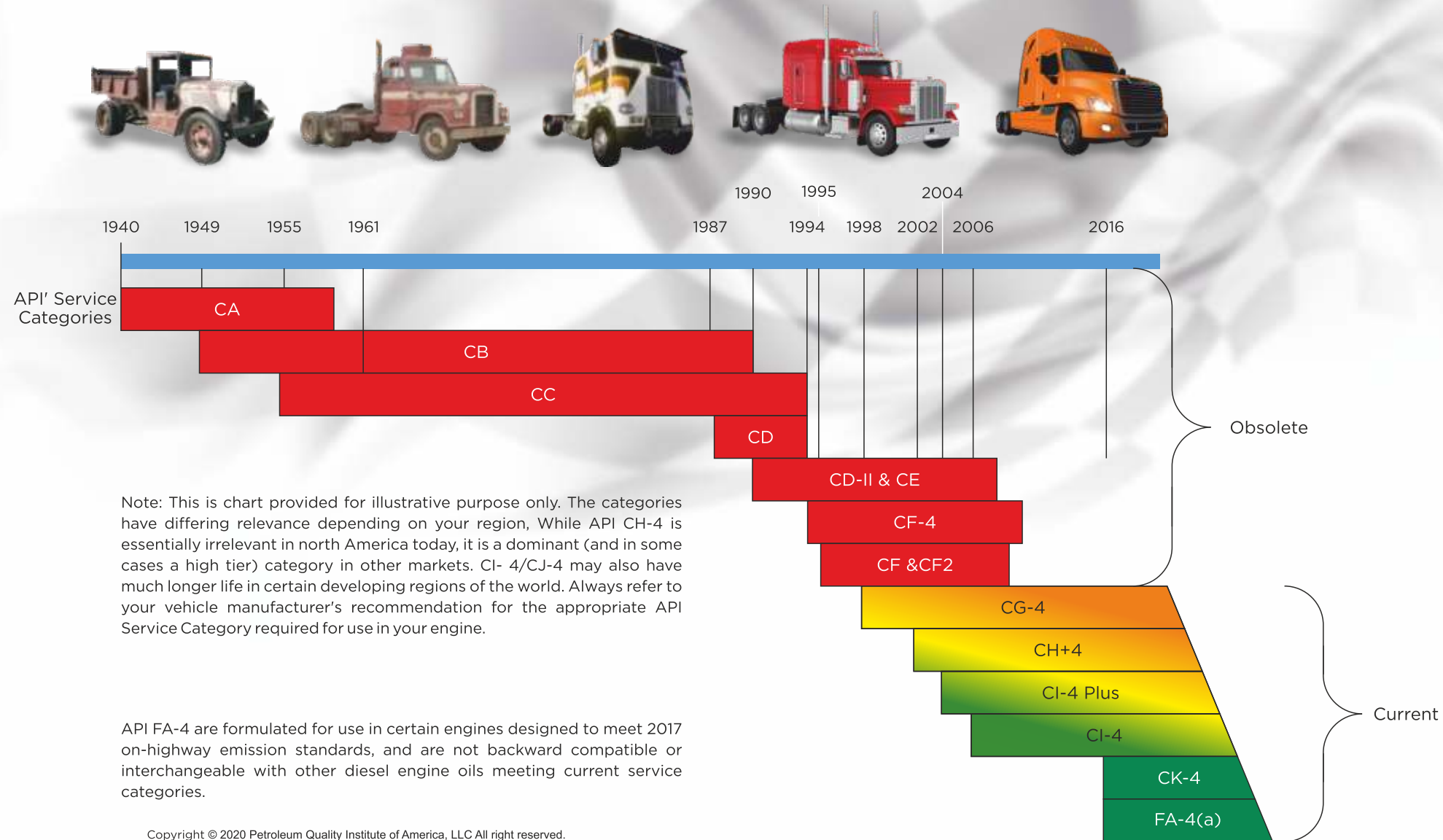
For engine oils recommended in relation with the outside temperature (°C)





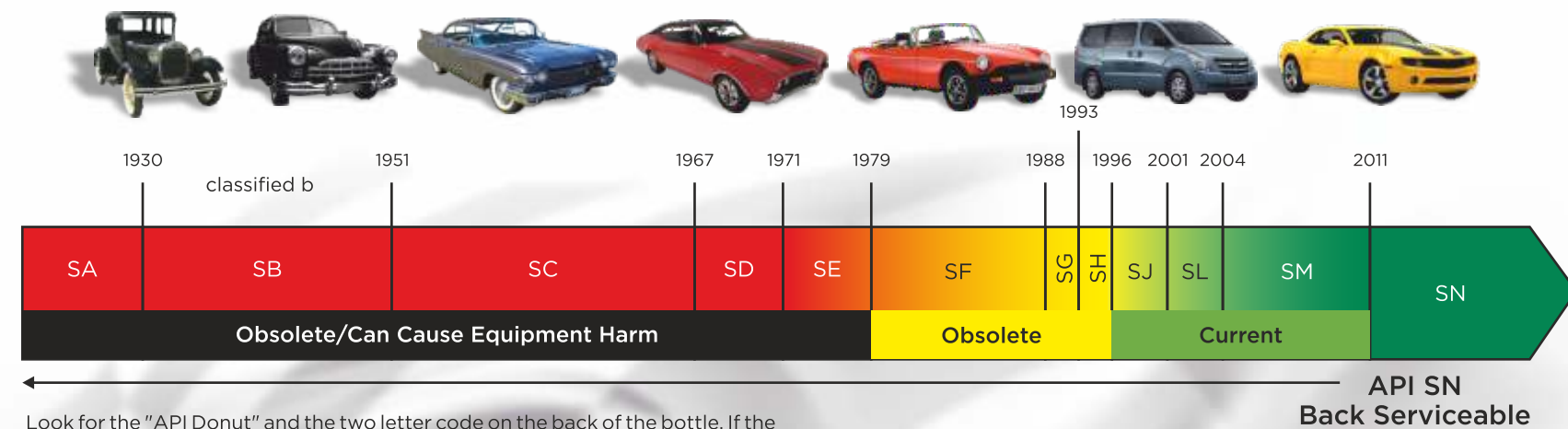
## DIESEL-POWERED ENGINES

### DIESEL ENGINE OIL SERVICE CATEGORIES - TIMELINE



## DIESEL-POWERED ENGINES

### API SERVICE CATEGORIES FOR PASSENGER CAR ENGINE OIL



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## API SERVICE CATEGORIES FOR PASSENGER CAR MOTOR OIL

## API SERVICE CATEGORIES FOR PASSENGER CAR MOTOR OIL



API SN PLUS  
ILSAC GF-5  
dexos1 Gen2  
Back Serviceable

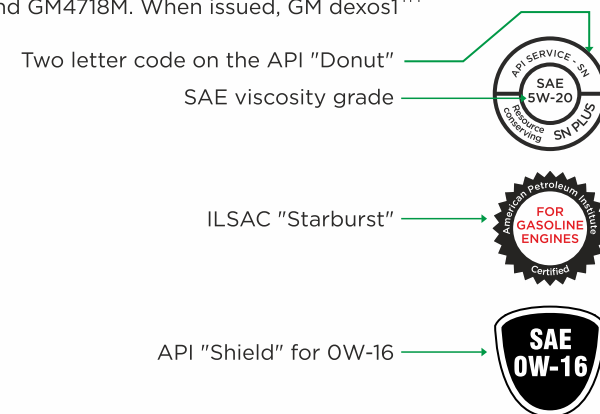
Prior to 2010, General Motors did employ their own specifications, GM6094 and GM4718M. When issued, GM dexos1™ was back serviceable to 1996 superseding GM6094 and GM4718M

Always refer to your vehicle owner's manual for proper motor oil recommended for use in your vehicle.



Motor oil are not all the same, and using the wrong motor oil in a vehicle can void its warranty and potentially cause harm

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Images of above  
Markes courtesy of API

For GMs, look for the dexos mark



Other OWM specification

In addition to General motor's dexos specification for motor oil, there are other original equipment manufactures that also have their own recommended specifications other with Mercedes, BMW, Volkswagen and Audi

Note : Unit May 1, 2021, motor oils displaying the ILSAC Starburst can represent either API SN/SN Plus or API SP along with Resource Conserving. ON May 1, 2021, all products displaying the Starburst must meet API SP/Resource conserving







#### Promise

When you buy Forte Turbo Lubricants products, you buy more than just a high-quality lubricant. Forte Turbo promises you a product that you can count on. A product that helps you to push your machine to the limit. No matter what industry you are in, what application you require, or what kind of user you are, Forte Turbo offers you the best solution. When you enter the world of Forte Turbo Lubricants, you will meet dedicated retailers, sellers, mechanics, and lubrication experts who are true petrolheads. Whether in business or in our private life, we will always be proud supporters of your team. Especially when it requires us to challenge ourselves, to step out of our comfort zone. Because that is when we will improve the most.



#### Made in United Arab Emirates

Our production, blending, and storage facilities are located in the vicinity of the logistical heart of the UAE. With a strong history in the oil industry, the United Arab Emirates is home to several big oil majors. With a high concentration of knowledge, innovation, technological expertise, and an advanced logistical infrastructure, it has given Forte Turbo Lubricants the opportunity to develop, produce, and ship the best lubricants available on the market to its customers. With multiple production and blending locations, we can offer our customers the flexibility they need and can adapt to varying order sizes.



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

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