



# **EXTREME PERFORMANCE ENGINE OIL & LUBRICANTS**





# DIESEL ENGINE OIL TURBO SERIES

Packing Size

1L | 4L | 5L | 20L | 25L | 208L



## SYNOL TURBO SERIES

SYNOL TURBO lubricants are high quality diesel engine oils designed to use in naturally aspirated and turbo charged diesel engines. It is formulated with high quality paraffin base oils with detergent, dispersant, anti wear, anti corrosion and antifoam additives to give the benefit of neutralizing acidic by products of combustion, keeps piston rings deposit free and perfect against wear of high loaded valve drain components. Synol Lubricant is recommended for use in heavily loaded turbo charged diesel and gasoline engines in off-highway and on-road equipment.

*Performance Level: CI/SL, CH-4-SL, CG-4/SJ, CF-4/SJ*

### Main Benefits

- Advanced detergent additive technology provides controlled cylinder and piston ring deposits
- Keeps engine clean
- Longer drain interval
- Prolong engine life
- High oxidation and thermal stability

| Description                                       | ASTM TEST METHOD | ASE 40        | ASE 50        |
|---|------------------|---------------|---------------|
| SAE Viscosity                                     |                  | 40            | 50            |
| Flash Point °C(PMCC)                              | ASTM D92         | >246          | >250          |
| Specific Gravity at 15.6 °C                       |                  | 0.892 - 0.902 | 0.896 - 0.906 |
| Kinematic Viscosity at 100 °C, mm <sup>2</sup> /s | ASTM D445        | 13.5 - 15.8   | 18 - 20.5     |
| Viscosity Index (Calculated)                      | ASTM D2270       | 90 - 100      | 90 - 102      |
| Pour Point  | ASTM D97         | <-18          | <-15          |
| Total Base Number, mg KOH/g                       | ASTM D2896       | 7.5 - 9.0     | 7.5 - 9.0     |





## GEAR OILS GRIND SERIES

Packing Size

1L | 4L | 5L | 20L | 25L | 208L



### SYNOL GRIND SERIES 90 / 140 / 80W90 / 85W / 40

SYNOL Gear Oil is an automotive gear lubricant containing sulphur phosphorous ep (extreme pressure) additives. This gear oil is specially recommended for synchromesh transmissions where they provide extra protection from severe loads. This lubricant also ensures smooth gear changes and reliable operation.

They meet and exceed API service classification GL-4 and GL-5.

*Performance Level: GL-4, GL-5*

#### Main Benefits

- Protection against rust and corrosion
- Smooth and easy gear changes
- Full protection for transmissions with bronze components
- Provides long service life
- High safety margin against foaming and corrosion

| Description                 | 90            | 140       | 80W / 90      | 85W / 140 |
|-----------------------------|---------------|-----------|---------------|-----------|
| SAE Viscosity               | 90            | 140       | 80W / 90      | 85W/140   |
| Flash Point °C(PMCC)        | 220           | 230       | 220           | 224       |
| Specific Gravity at 15.6 °C | 0.892 - 0.902 | 0.902-912 | 0.885 - 0.895 | 0.91      |
| Viscosity at 100 °C         | 16.0-18.0     | 29.0-31.0 | 14.0-16.0     | 26.0-28.0 |
| Viscosity Index             | 90-95         | 90-95     | 90-105        | 95-100    |
| Pour Point °C, max          | -15           | -9        | -27           | -18       |



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## HYDRAULIC OILS

Grades: ISO 32, ISO 46, ISO 68, ISO 100

Packing Size

1L | 4L | 5L | 20L | 25L | 208L

### SYNOL HYDRAULIC OIL

Synol Hydraulic oil is a high performance hydraulic oil formulated from advanced base oils and a balanced super stabilized additive system that helps neutralize the formation of corrosive materials. They are designed to work with systems operating under severe conditions where high levels of anti-wear and film strength protection are needed, yet they are formulated to work where non-anti-wear hydraulic oils are generally recommended.

*Performance Level: AW*

#### Main Benefits

- Exceptional Anti-wear protection
- Outstanding Oxidation Stability
- High Viscosity Index
- Excellent Corrosion Protection
- Excellent Air Separation Characteristics

| Description                 | 32          | 46          | 68          | 100         |
|-----------------------------|-------------|-------------|-------------|-------------|
| Viscosity cSt @ 40 °C       | 30-32       | 43-49       | 68          | 100         |
| Specific Gravity at 15.6 °C | 0.860-0.870 | 0.860-0.870 | 0.875-0.885 | 0.878-0.888 |
| Flash Point °C,min          | 200         | 210         | 220         | 230         |
| Viscosity at 100 °C         | 5.2-6.20    | 6.4-7.4     | 8.2-9.2     | 10.5-12.5   |
| Viscosity Index             | 97-110      | 95-105      | 95-105      | 95-102      |
| Pour Point °C, max          | -39         | -36         | -33         | -27         |





## AUTOMATIC TRANSMISSION FLUID

### Packing Size

1L 4L 5L 20L 25L 208L

### SYNOL AUTOMATIC TRANSMISSION FLUID DEXRON III

Synol Dex - III is a superior quality automatic transmission fluid formulated with high viscosity index base oils and selective additive package to obtain anti-wear, anti-oxiden, anti-foam properties and low temperature fluidity. It provide excellent protection against wear and their frictional properties gives consistent and smooth shift under a wide range of driving condition.

*Performance Level: DEX III, TYPE - A*

#### Main Benefits

- Exceptional Anti-wear, anti-oxidant and anti-friction properties
- Excellent low temperature fluidity, thermal and high shear stability.
- Provides smooth and trouble free operation of ATF
- Good frictional properties give's smooth shift performance.

| Description              | Typical Reports |
|--------------------------|-----------------|
| Color                    | Red             |
| Viscosity cSt @ 40 °C    | 31.0 - 33.0     |
| Viscosity at 100 °C      | 7.1-8.0         |
| Viscosity Index          | 180 - 200       |
| Flash Point °C           | 170 - 190       |
| Pour Point °C, min       | -48             |
| Specific Gravity 15.6° C | 0.845 - 0.855   |



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## BRAKE FLUID

### Packing Size

250ml 500ml 1L 4L 5L 208L

### SYNOL BRAKE FLUID DOT 2, DOT 3, DOT 4

Synol Brake Fluids are heavy duty high boiling point synthetic base that is suitable for all conventional drum and disc brake system under arduous conditions. It may be used in hydraulic clutch-release systems. Care should be taken that Synol Brake Fluids should not be used in hydraulic systems for which mineral base fluids are specified.

*Performance Level: DOT 2, DOT 3, DOT 4*

#### Main Benefits

- Low vapor pressure and high boiling point.
- Fluidity at low temperatures and excellent thermal stability.
- Excellent chemical stability and corrosion resistance.
- Compatible with all system seals.

| Description                 | Unit                 | Typical Test Result |               |
|-----------------------------|----------------------|---------------------|---------------|
| Brake Fluid                 |                      | Dot 3               | Dot 4         |
| Boiling Point (min)         | °C                   | 245                 | 260           |
| Kinematic Viscosity @ 20 °C | (mm <sup>2</sup> /s) | 14.5 - 17           | 15 - 17       |
| Solidifying Point           | °C                   | < - 70              | <-70          |
| Flash Point                 | °C                   | >118                | >125          |
| Ignition Temperature        | °C                   | Approx 230          | >200          |
| Density @ 20 °C             | g/cm <sup>3</sup>    | 1.04 - 1.07         | 1.055 - 1.075 |





## CALCIUM GREASE

Packing Size

500GM 1KG 15KG 210KG



### SYNOL CALCIUM GREASE

Synol Calcium Grease is a proven performer, thickened by calcium hydroxide with mineral oil. This product has excellent water resistant property, mechanical stability and lubricating performance. It has a smooth and buttery texture. Suitable for the lubrication of pivots, joints, springs, Can be used as maintenance grease, It is intended for all Automotive Application including chassis points, king pins, die pins. It is also used in typical Industrial Construction and Agricultural equipments.

#### Features & Benefits

Good adhesive properties and effective resistance to water wash out minimize loss of lubricant in service,  
Well – distributed texture, Wide operating temperature.

#### Typical Properties

| Parameters          | Test Method | Unit  | Typical Test Result |                 |
|---------------------|-------------|-------|---------------------|-----------------|
| NLGI GRADE          |             |       | 2                   | 3               |
| Penetration, worked | ASTM D-217  | 0.1mm | 265-295             | 220-250         |
| Dropping Point      | ASTM D-566  | °C    | 95                  | 95              |
| Water Resistance    | -           | -     | Very Good           | Very Good       |
| Rust Protection     | ASTM D-1743 | -     | Pass                | Pass            |
| Color               | -           | -     | Natural             | Natural         |
| Structure           | -           | -     | Smooth              | Smooth          |
| Temperature Range   | -           | -     | -10°C to +100°C     | -10°C to +100°C |



## LITHIUM GREASE

### Packing Size

**500GM 1KG 15KG 210KG**

### SYNOL LITHIUM GREASE

Synol lithium soap based greases are premium-quality products suitable for high-temperature service in rolling-element bearings. These versatile greases can be used in a wide range of industrial applications and are particularly recommended for bearing lubrication. Lubrex lithium grease is a high performance; multipurpose lithium soap based grease developed using an optimized combination of high quality mineral oil, proprietary thickener technology and an especially selected additive system enabling reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds and environmental conditions.

#### Features & Benefits

Excellent high-temperature performance, Outstanding grease life, Very good low-temperature characteristics, Excellent mechanical stability, Excellent water and corrosion resistance, Excellent performance in high-speed applications.

#### Typical Properties

| Parameters                 | Test Method | Unit | Typical Test Result |                 |                 |                 |
|----------------------------|-------------|------|---------------------|-----------------|-----------------|-----------------|
| GRADE                      |             |      | MP 2                | MP 3            | EP 2            | EP 3            |
| Penetration, worked @ 25°C | ASTM D-217  | °C   | 265-295             | 220-250         | 265-295         | 220-250         |
| Appearance                 | Visual      | -    | Smooth              | Smooth          | Smooth          | Smooth          |
| Dropping Point (min)       | ASTM D-566  | °C   | 180                 | 190             | 180             | 190             |
| Thickener                  | -           | -    | Lithium Soap        | Lithium Soap    | Lithium Soap    | Lithium Soap    |
| Water Resistance           | -           | -    | Very Good           | Very Good       | Very Good       | Very Good       |
| Base Oil Type              | -           | -    | Mineral             | Mineral         | Mineral         | Mineral         |
| Color                      | -           | -    | Yellowish Brown     | Yellowish Brown | Yellowish Brown | Yellowish Brown |
| Temperature Range          | -           | -    | -30°C + 140°C       | -30°C + 140°C   | -30°C + 140°C   | -30°C + 140°C   |





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