

**Autostar**  
Germany



**AUTOMAX**



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# Autostar Germany Lubricants

Autostar Germany is an independent oil blender specialised in lubricants. The group started its journey in Germany with its operations traversing in many continents from Europe, through the Middle East, Asia, Africa to parts of America.

The company's business and regional offices for Europe are based in the United Kingdom, whilst the Middle East, Asia and Africa headquarters is in the United Arab Emirates,

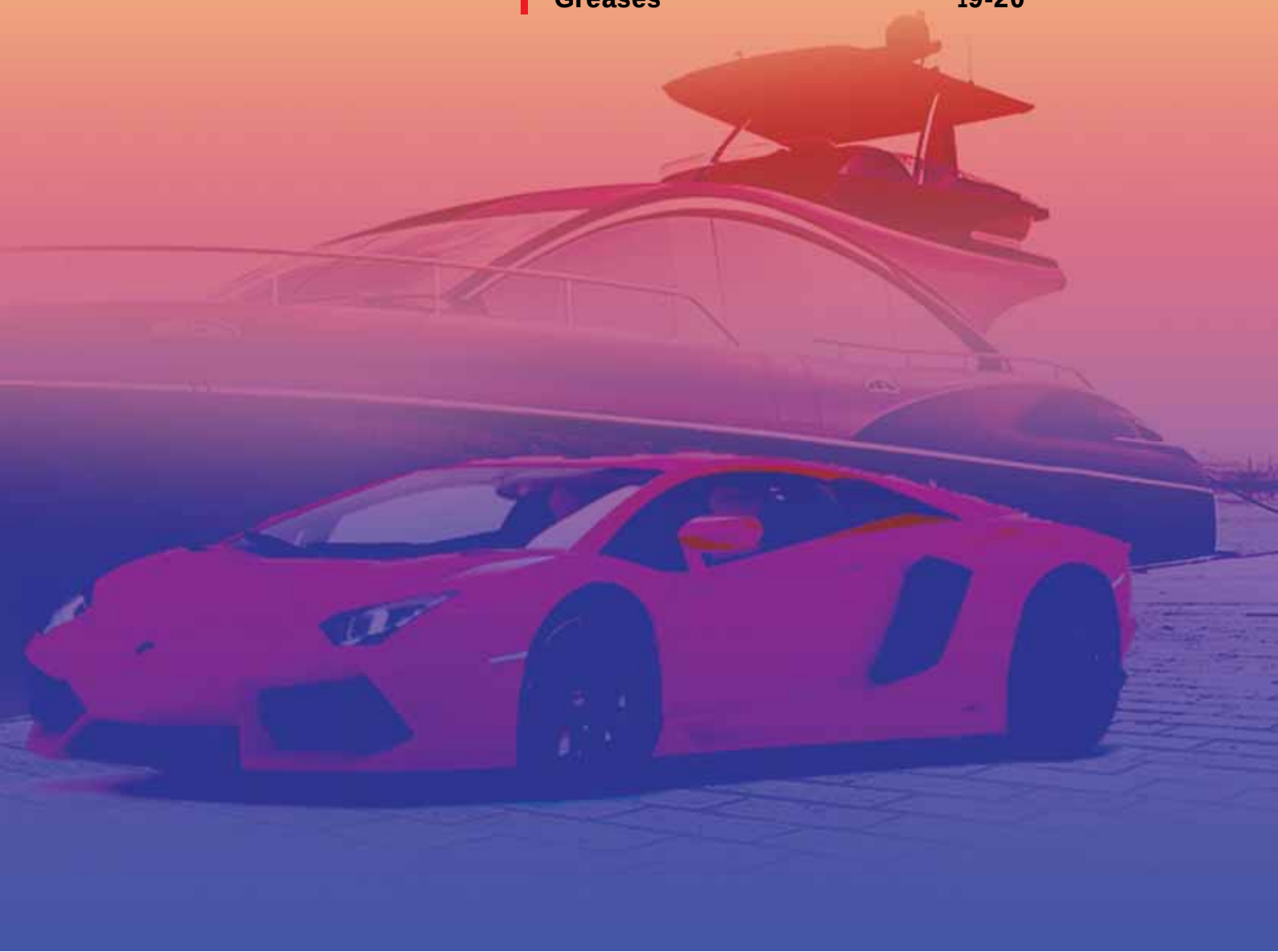
Autostar Germany's high specification portfolio is created to meet the ever-changing market demands and provides an extensive range of fully synthetic and semi-synthetic engine oils and speciality lubricants. Our range provides complete protection for the latest high performance and older generation Cars, Commercial vehicles, Motorcycles, Agricultural and Industrial vehicles and Marine vessels.

Autostar Germany lubricants reduces friction that enables boost in fuel economy, ensuring an overall protection from cold starts to high temperature driving.





|                                |              |
|--------------------------------|--------------|
| <b>Engine Oils</b>             | <b>1-4</b>   |
| <b>Commercial Vehicle Oils</b> | <b>5-6</b>   |
| <b>Understanding Oil</b>       | <b>7-7</b>   |
| <b>Transmission Fluids</b>     | <b>8-10</b>  |
| <b>Hydraulic Fluids</b>        | <b>11-12</b> |
| <b>Compressor Oils</b>         | <b>13-14</b> |
| <b>Brake Fluids</b>            | <b>15-16</b> |
| <b>Radiator Antifreeze</b>     | <b>17-18</b> |
| <b>Greases</b>                 | <b>19-20</b> |





## *Fueling The Future*



Autostar Germany is a range of ultra-low viscosity oils, specially designed for use in the very latest fuel efficient engines.



- ▶ Rapid Oil Circulation
- ▶ Supreme Engine Protection
- ▶ From cold start to high
- ▶ Temperature long
- ▶ Distance driving
- ▶ Minimal friction
- ▶ Maximum fuel economy

# Autostar Germany product range

- ▶ **Engine Oils**
- ▶ **Commercial Vehicle Oils**
- ▶ **Transmission Oils**
- ▶ **Compressor Oil**
- ▶ **Hydraulic Oils**
- ▶ **Brake Fluids**
- ▶ **Radiator Antifreeze**
- ▶ **Greases**



## **Low Ash/ Low saps**

These oils are produced to meet and exceed the most stringent requirements of car manufacturers. Suitable for engines operating under extended service regimes. Suggested for all modern cars, especially for euro IV, V and VI compliant vehicles fitted with the latest catalytic and diesel particulate filters (DPFs).

## **Fully Synthetic**

Fully synthetic engine oils have been produced with the most latest synthetic technology creating a range of premium oils to meet the very latest API, ACEA and OEM requirements for today's modern day vehicles.

Fully synthetic engine oils offer enhanced engine protection and longer engine life, reduced friction, better lubrication during extreme cold weather starts and increased MPG.

## **Semi-synthetic**

Semi-synthetic engine oils consist of a blend of mineral and synthetic base oils. Designed to have many benefits of synthetic oils, the performance, quality and durability is between that of a mineral oil and a fully synthetic oil. Autostar Germany's semi-synthetic engine oils have been designed to offer a higher level of performance and protections than some of the lower quality semi-synthetics in the market.

# Engine Oils



## **Products included within the Auostar range:**

- 0W-20, 0W-30, 0W-40,
- 5W-20, 5W-30, 5W-40
- 10W-30, 10W-40, 10W-60
- 15W-40
- 20W-50

## **Mono Grade Oils:**

- SAE 40
- SAE50
- SAE 60

## **Main Specifications covered:**

- ACEA A5/ B5, A1 / B1, C2, A3 / B4, C2 C3
- BMW LL-01,04, 83 12 0 029 683
- MB 229.5, Freigabe 229.51 / 229.31/229.52
- Porsche A40
- VW 502/ 505, 504/ 507
- Ford WWS-M2C948-B
- GM dexos2™
- Renault RN 0700 / 0710
- PSA 871 2296
- Opel GM-LL-B-025
- Fiat 9.55535-H3, 9.55535-G2 / D2
- CCMC D2 /G2
- MIL-L-2104D-

OUR FLAGSHIP, SCORPIO Range, premium grade engine oils have been tested in multiple events to maximise engine performance. Scorpio Range low ash/low SAPS engine oils are produced to meet and exceed the most stringent requirements of car manufacturers and are suitable for engines operating under extended service regimes. Autostar Germany Fully synthetic engine oils enhance engine protection and offer a longer engine life, reduced friction, better lubrication during extreme cold weather starts and increased MPG (Miles Per Gallon). Autostar Germany lubricant products have been established to surpass the specifications of key vehicle manufacturers using the very latest synthetic technology. Autostar Germany has been trusted for almost two decades illustrating the brand loyalty from our customers.

## **Advantages**

- ▶ Excellent engine cleanliness and wear protection by preventing the formation of harmful engine sludges and deposits
- ▶ Low-SAPS technology therefore compatible with after treatment devices
- ▶ Enables improved fuel economy
- ▶ Exceptional protection to both engine and environment



## 0W-30 C2-F

### SPECIFICATIONS

ACEA C2, Ford WSS-M2C950-A, ST JLR.03.5007

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-30 C2-P

### SPECIFICATIONS

ACEA C2, PSA B71 2312

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-30 C3-V

### SPECIFICATIONS

ACEA C3, VW 504.00/507.00, Porsche C30

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 C3 Pro

### SPECIFICATIONS

ACEA C3, BMW LL-04, MB 229.31/229.51, Porsche C30, VW 504.00/507.00

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 C3 Plus

### SPECIFICATIONS

ACEA C3, API SN, MB 229.31/229.51/229.52, BMW LL-04, GM dexos 2, VW 502.00/505.01

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 C3

### SPECIFICATIONS

ACEA C3, API SN

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |





## 0W-30 A5-B5

### SPECIFICATIONS

ACEA A5/B5, API SL, Volvo  
95200377

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 A3-B4

### SPECIFICATIONS

ACEA A3/B3, A3/B4, API SN, MB 229.3,  
RN 0700/0710, VW 502 00/505 00

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 A5-B5

### SPECIFICATIONS

ACEA A5/B5, Ford WSS-M2C913-D,  
Ford WSS-M2C913-C, ST  
JLR.03.5003

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 FE

### SPECIFICATIONS

API SL, ACEA A1/B1

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 A3-B4

### SPECIFICATIONS

ACEA A3/B3, A3/B4, API SL, MB  
229.1

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-40 A3-B4

### SPECIFICATIONS

ACEA A3/B3, A3/B4, API SN,  
MB 229.3,  
RN 0700/0710, VW 502  
00/505 00

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 API

### SPECIFICATIONS

API SL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 API

### SPECIFICATIONS

API SN, ILSAC GF-5, GM dexos 1

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-16 API SPECIFICATIONS

APISN

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-20 API SPECIFICATIONS

API SN, ILSAC GF-5

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-20 C5-F SPECIFICATIONS

ACEA C5, API SN, Ford WSS-M2C948-B  
ST JLR.03.5004

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-20 API SPECIFICATIONS

API SN, ILSAC GF-5, Chrysler MS-6395,  
Rat 9.55535- CR1

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-20 C5-V SPECIFICATIONS

ACEA C5, Volvo VCC RBS0-2AE

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-20 C5-J SPECIFICATIONS

ST JLR.51.5122, MB 229.71

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-20 C5-VA SPECIFICATIONS

VW 508.00/509.00, Porsche C20

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |





## 0W-30 C2-B

**SPECIFICATIONS**  
ACEA C2, BMW LL-12FE

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 C3

**SPECIFICATIONS**  
ACEA C3, API SN, MB  
229.31/229.51/229.52, BMW LL-04,  
GM dexos 2, WI 502.00/505.01

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 0W-40 A3/B4

**SPECIFICATIONS**  
ACEA A3/B3, A3/B4, API SN, MB  
229.3/229.5, BMW LL-01, WI  
502.00/505.00, Porsche A40, RN  
0700/0710, Ford WSS-M2C937-A

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-60 A3/B3

**SPECIFICATIONS**  
ACEA A3/B3, API SL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-50 A3/B3

**SPECIFICATIONS**  
ACEA A3/B3, API SL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-60 RACING

**SPECIFICATIONS**  
API SG, SH, SJ

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



# Commercial Vehicle Oil

AUTOSTAR GERMANY HAS INTRODUCED A NEW RANGE OF ENGINE OILS for commercial vehicle engines to meet the needs of the Truck Transport and Tractor Engines. High mileage, dust, moisture, heat, cold, shock, heavy loads – the operating conditions in the fields of logistics, passenger transport, forestry, road construction, above and underground, Autostar Germany has all the fluids a machine requires. Stand-stills pauses for service causes production losses and it represents enormous cost factors. Autostar Germany's product range for commercial vehicles and machineries is a true cost-cutter. Our additives and high-performance lubricants boost fuel economy, reduce wear and increase the operational reliability of your fleet. The result: less stand-still time and lower costs for fuel and repair.

Autostar Germany's Commercial products guarantee impeccable engine operation and outstanding emission system protection. They provide operational benefits such as extended drain intervals and improved fuel economy.

- ▶ EXCEPTIONAL VEHICLE COVERAGE: Over 99% coverage of commercial vehicle engine applications.
- ▶ PROVEN TECHNOLOGY- Tractor Products based on technology developed by industry leading German Engineering.
- ▶ EXTENDED DRAIN- Approximately up to 80,000kms Extended Drain Intervals.

## Products in the range:

Autostar Germany Commercial oils are Extreme High-Performance Diesel lubricants created to deliver excellent piston cleanliness, wear protection, soot handling, lubricant stability and fuel economy benefits for the latest generation of commercial vehicle engines.

## Advantages

- ▶ Fuel economy benefits up to 1.3%
- ▶ Excellent engine cleanliness and sludge control
- ▶ Outstanding engine protection throughout the extended drain interval
- ▶ Superior hot and cold flow properties even as low as -35 degree Celsius





## 5W-30 E6/E9

### SPECIFICATIONS

ACEA E6/E9, API CJ-4/SN, JASO DH-2, MB 228.51/ 228.31, MAN M3477/M3271-1, MTU Type 3.1, Volvo VDS-4/VDS-3/ CNG, Renault Truck RXD/RLD-3/RLD-2/ RGD, Mack EO-0 PP/EO-N PP/EO-M □ Cummins 20081, Caterpillar ECF-3, Deutz DOC IV-10 LA, DOC 93K218

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 5W-30 E4

### SPECIFICATIONS

ACEA E4/E7, OAF Extended Drain, Ford WSS-M2C212-A 1, Deutz DOC IV-10, MAN M3277, MB 228.5/235.28, Voith Class A, MTU Type 3, Scania LDF-3, Renault Truck RXD/RLD-2/RLD/ RD-2, Volvo VDS-3, Mack EO-N

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 E6/E9

### SPECIFICATIONS

ACEA E6/E9, API CI-4, JASO DH-2, MB 228.51/228.31, MAN M3477 /M3271-1, MTU Type 3.1, Volvo VDS-3/CNG, Renault Truck RXD/RLD-2/RGD, Mack EO-N/EO-M Plus, Cummins 20076/77, Caterpillar ECF-1-a, Deutz DOC IV-1 O LA, Scania Low Ash

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 E6

### SPECIFICATIONS

ACEA E6, API CI-4, JASO DH-2, MB 228.51/228.31, MAN M3477, MTU Type 3.1, Volvo VDS-3, Mack EO-N, Renault Truck RLD-2, Cummins 20076/77, Caterpillar ECF-1-a, Deutz DOC III-10LA

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 E4

### SPECIFICATIONS

ACEA E4/E7, OAF Extended Drain, Deutz DOC 111-10, MAN M3277, MB 228.5/235.28, Voith Class A, MTU Type 3, Scania LDF-3/LDF-2/LDF, Renault Truck RXD/RLD-2/RLD/ RD-2, Volvo VDS-3, Mack EO-N

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |





## 20W-50 E7

### SPECIFICATIONS

ACEA E7, API CI-4/CH-4/CG-4/CF-4, Global DHD-1, MB 228.3, Volvo VDS-3, Renault Truck RLD-2, Mack EO-N/EO-M Plus, MAN M3275, Cummins 20076/77/78, Caterpillar ECF-2/ECF-1-a, MTU Type 2, Deutz DOC 111-10, DDC 93K215

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 15W-40 E9

### SPECIFICATIONS

ACEA E9, API CJ-4/SN, MB 228.31, MAN M3575, MTU Type 2.1, Volvo VDS-4, Mack EO-0 PP, Renault Truck RLD-3, Cummins 20081, Caterpillar ECF-3, Deutz DOC 111-1 OLA, DDC 93K218

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 15W-40 E7

### SPECIFICATIONS

ACEA E7, API CI-4/CH-4/CG-4/CF-4, Global DHD-1, MB 228.3, Volvo VDS-3, Renault Truck RLD-2, Mack EO-N/EO-M Plus, MAN M3275, Cummins 20076/77/78, Caterpillar ECF-2/ECF-1-a, MTU Type 2, Deutz DOC 111-10, DDC 93K215

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 E9

### SPECIFICATIONS

ACEA E9, API CJ-4/SN, MB 228.31, MAN M3575, MTU Type 2.1, Volvo VDS-4, Mack EO-0 PP, Renault Trucks RLD-3, Cummins 20081, Caterpillar ECF-3, Deutz DOC 111-1 OLA, DDC 93K218

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-40 E7

### SPECIFICATIONS

ACEA E7, API CI-4/CH-4/CG-4/CF-4, Global DHD-1, MB 228.3, Volvo VDS-3, Renault Truck RLD-2, Mack EO-N/EO-M Plus, MAN M3275, Cummins 20076/77/78, Caterpillar ECF-2/ECF-1-a, MTU Type 2, Deutz DOC 111-10

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-30 E9

### SPECIFICATIONS

ACEA E9, API CJ-4/SN, MB 228.31, MAN M3575, MTU Type 2.1, Volvo VDS-4, Mack EO-0 PP, Renault Truck RLD-3, Cummins 20081, Caterpillar ECF-3, Deutz DOC 111-1 OLA, DDC 93K218

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 10W-30 E7

### SPECIFICATIONS

ACEA E7, API CI-4/CH-4/CG-4/CF-4, Global DHD-1, MB 228.3, Volvo VDS-3, Renault Truck RLD-2, Mack EO-N/EO-M Plus, MAN M3275, Cummins 20076/77/78, Caterpillar ECF-2/ECF-1-a, MTU Type 2, Deutz DOC 111-10

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



Work is ongoing with other leading vehicle manufacturers to add further approvals to the AutoStar range of products to enhance its reputation as reliable brand that can be expected to deliver products that will not compromise on performance.



Originally, car oil was purely a mixture of base oils used to lubricate engine parts. Today, most oils are synthetic and contain a complex blend of additives which assist in achieving a multitude of functions such as helping prevent deposits from forming on internal engine components, removal and suspension of dirt and contaminants can be removed at the next oil change, enhancing engine fuel economy, lubricating moving parts and reducing engine wear.

## Moving Forward

We're constantly looking at how we can improve fuel economy for modern car, as we know the thinner the oil, the less of a drag it puts on the engine, however, to use these low viscosity oils, the engine must be compatible, unlike vehicles of yesteryear. Using an oil which is too thin would result in increased wear and premature engine failure.

Engines that are now being produced will take grades such as 0W-20 AND 0W-30, whereas those older engines will take grades such as 5W-40 and 10W-40.

## But what do all these grades mean?

Most oils are now Multigrades. Before Multigrade oils were invented motorists had to use different oils in summer and winter. A Multigrade oil, which can be used all year round, is a combination of 2 viscosity grades such as: 0W-30

In a 0W-30 the 0W means that the oil must meet a certain thickness/flow limit at low temperature. The lower the "W" number the better the oil's low temperature and cold start performance. Therefore, a 0W will get around an engine for quicker than a 20W would. The latter part of the grade (in this case 30), can range between 4 and 60 (again, the lower the number, the thinner the oil). Each oil must meet certain thickness limits at 100°C which is roughly the running temperature of an engine. For years engine oils quoted 2 API specifications, one for petrol and one for diesel, making the choice of oil relatively simple. However, in recent times these have increased significantly due to engine manufacturers requiring more specific oils to meet their needs - making the choice look never ending.

As you would expect there are different oil properties for different vehicle manufacturers. Ford engines, for example, are designed to work with fuel economy oils. But if manufacturers such as BMW and Mercedes-Benz used the same, this would result in premature wear and a shortened engine life, as these engines are designed to work with thicker oil.

# Transmission Fluids



Transmission Fluid Lubricating motors and gears perfectly enable them to run smoothly\_ This Is why Autostar produces oils tailored to suit multiple vehicle categories. Whether the oils for a car or truck, motorcycle or moped, scooter or Quad bike, bus or digger, vintage car or boat. Whether it's a gasoline or diesel motor. Fully synthetic, semi-synthetic or mineral-based, always made of the highest quality in Germany. Our oil service and storage concept - including multi-use containers, oil cabinets and other technical equipment - ensures convenient, quick and economical oil changing.

## Advantages

- Fuel efficiency benefits
- Greater anti-wear performance
- Stable friction performance for accurate clutch and brake operation
- Extensive Spectrum of OEM credentials
- Anti-corrosion and rust protection
- Outstanding low temperature fluidity



## 75W-80 MV

### MINERAL SPECIFICATIONS

BMW, Mini, Mercedes, Smart, Alfa Romeo, Volvo, MG Rover, Citroen, Peugeot, Renault, Dacia, Honda, Fiat, Seat, Skoda, Volkswagen

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## SAE 80

### MINERAL SPECIFICATIONS API GL-4

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 75W-90 MV

### FULLY SYNTHETIC SPECIFICATIONS

Daewoo, Lancia, Ford, Chevrolet, Opel, Hyundai, Kia, Mazda, Suzuki, Land Rover, Jaguar, Toyota, Nissan, Mitsubishi, Saab

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## MT-75

### MINERAL SPECIFICATIONS Ford M2C-186A

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 75W-90

### FULLY SYNTHETIC SPECIFICATIONS

API GL-4, MB 235.1, MAN 341 Type E1, ZF TE-ML06L, ZF TE-ML 08, ZF TE-ML 16A, ZF TE-ML 17A, ZF TE-ML 19A, ZF TE-ML 19C MJHWM+J,

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## MTF-94

### MINERAL SPECIFICATIONS Texaco MTF-94

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 80W-90

### MINERAL

ZF TE-ML 17A, ZF TE-ML 19A, ZF TE-ML 19C

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 75W-90

### FULLY SYNTHETIC SPECIFICATIONS

API GL-5, AF, MAN 342-Type M1, MB 235.0, MIL-L2105-D, Volvo 3.325-339, Volvo 97310/97316, ZF TE-ML07A, 08, 16B, 16C, 16D, 17B, 19B, 21A

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |

# Automatic Transmission Fluids



## ATF-Q PLUS

### MINERAL

#### SPECIFICATIONS

Mison C-4, CalepillarT0-2, Denison, Ford Mereon, GM Illexron IID, MAN 339 Type V-1, MAN 339 Type Z-1, MB 236.6,

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## ATF-Q3

### MINERAL

#### SPECIFICATIONS

Dexron 1116, Ford WSA-M2C185-N195-A, Ford SQ- M2C138-CJ, Ford ESP-M2C166-H, Allison C4, Caterpillar T0-2

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## ATF-U

### FULLY SYNTHETIC

#### SPECIFICATIONS

Dexron IH, JASO 1-A, JATCO, JWS 3309, Allison C-4, AllisonMB 236.6/.7/.6/.9/.10/.11, Mitsubishi SP-II, Volvo 97340/97341.1F TE-MI 02F, 030, 040, 05I, 09, 11A, 118, 14B, 16I, 17C

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## ATF-LV

### FULLY SYNTHETIC

#### SPECIFICATIONS

Dexron VI, JASO 1-A, Honda DW-1, Aisin Warner AW-1, HyundaiVKia SP-IV, Mitsubishi SP-IV, Nissan Matic-S, Toyota WS, MB 236.12/236.14, JWS 3324

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## DCT-U FULLY SYNTHETIC

### SPECIFICATIONS

WITL052182/529, BMW 83 22 2 148 578/579, BMW83 22 2 147 m, BMW 83 22 o 440 214, Peugeot/Citroen 9734.82, Ford M2C936A, MB 236.21 (001 989 85 03), M1320065 Dia-Queen SSTF-1, Porache Oil No 999.917 .080.00, Volvo 1161838/1161839

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## CVT-U

### FULLY SYNTHETIC

#### SPECIFICATIONS

AudVWV TI 52180, G 052 180, Ford CVT30/Mercon C, Honda HMMF, Toyota TC, Nissan NS-2

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## ATF-G

### MINERAL

#### SPECIFICATIONS

Ford /Borg Warner, Ford M2C-33F/G

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



**AUTOSTAR HYDRAULIC FLUIDS** are used to distribute energy in hydraulic systems. These products offer fantastic lubrication, corrosion and anti-wear properties.

They are both available in both HM and HV grades.

Autostar offers a range of high-performance hydraulic oils covering a range of viscosities that are suitable for use in higher temperature environments. Our hydraulic oils have been designed to be used in demanding applications for example, vane or gear pumps, machine tools and industrial plant environments.

- Provide exceptional lubrication for pumps, valves and actuators
- Good resistance to foaming and cavitation, resulting in cleaner higher performance systems
- Excellent thermal and oxidation stability, improving system reliability, cleanliness, leading to extended operating life
- Offers upright protection against rust and corrosion

► **Products included within the Autostar range:**

- HLP-M 22,32,46/68
- HVLP 15,22,32,46,6



| Hydraulic Oil 32HM |             |
|--------------------|-------------|
| Size               | Code        |
| 4.55 Liter         | HO32 4HM    |
| 25 Liter           | HO322 5HM   |
| 199 Liter          | HO3219 9 HM |

| Hydraulic Oil 32HV |             |
|--------------------|-------------|
| Size               | Code        |
| 4.55 Liter         | HO32 4HV    |
| 25 Liter           | HO322 5HV   |
| 199 Liter          | HO3219 9 HV |

| Hydraulic Oil 46HM |             |
|--------------------|-------------|
| Size               | Code        |
| 4.55 Liter         | HO46 4HM    |
| 25 Liter           | HO462 5HM   |
| 199 Liter          | HO46 199 HM |

| Hydraulic Oil 46HV |             |
|--------------------|-------------|
| Size               | Code        |
| 4.55 Liter         | HO46 4HV    |
| 25 Liter           | HO462 5HV   |
| 199 Liter          | HO46 199 HV |

| Hydraulic Oil 68 |             |
|------------------|-------------|
| Size             | Code        |
| 4.55 Liter       | HO46 4HV    |
| 25 Liter         | HO462 5HV   |
| 199 Liter        | HO46 199 HV |



Autostar Compressor are a range of high-performance compressor lubricants. A high-quality compressor oil made from specially selected, tried and tested additives and solvent-refined products with outstanding aging resistance. Type DIN 51506: VOL, these oils are suitable for use in all air compressors with compression temperatures up to 220 °C.

These lubricants are formulated with high quality paraffinic base oils combined with an additive system designed to promote oxidation resistance, corrosion protection and robust extreme pressure characteristics. These Products offer smooth efficient performance and reliable protection against piston and valve deposit formation, helping reduce the risk of fire or explosion in compressors under severe service conditions.



## Advantages

- Robust formulation promotes extended lubricant service life and equipment uptime
- Formulated to contribute to compressor performance and protection, helping reduce maintenance and downtime
- Supports reliable performance in severe, extreme pressure operations, promoting extended compressor service life
- Keep-clean performance assists protection against deposit formation and helps reduce fire and explosion risk
- Designed to promote protection against oxidation and system corrosion



## VDL 32

**SPECIFICATIONS**  
DIN 51 506 VDL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 68

**SPECIFICATIONS**  
DIN 51 506 VDL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 100

**SPECIFICATIONS**  
DIN 51 506 VDL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 150

**SPECIFICATIONS**  
DIN 51 506 VDL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 220

**SPECIFICATIONS**  
DIN 51 506 VOL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 320

**SPECIFICATIONS**  
DIN 51 506 VOL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## VDL 460

**SPACIFICATION**  
DIN 51 506 VDL

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



**AUTOSTAR BRAKE FLUIDS** are exceptionally well-suited for use with all disk and drum brake systems, as well as vehicle clutch systems for which a synthetic brake fluid of this specification is prescribed. The brake fluid is also suitable for use in ABS brake systems.

Synthetic brake fluid based on glycol ethers, alkyl polyglycols and glycol ether esters. It contains inhibitors to prevent the corrosion of metallic brake components and to reduce oxidation at increased temperatures. The brake fluid has a high wet and dry boiling point, thus ensuring safe braking even after the absorption of some moisture over an extended period of use. Special moisture scavengers help to prevent against the formation of steam bubbles.

## Advantages

- Miscible and compatible with high-quality synthetic brake fluids
- Outstanding protection against the formation of steam bubbles
- Excellent elastomer compatibility
- Assures a high degree of lubricating action on all moving components in the hydraulic brake circuit
- Extremely high wet and dry boiling points
- Excellent viscosity/temperature properties
- Excellent low temperature behaviour
- Highest thermal stability

## Products included within the Autostar a range:

- DOT5.1
- DOT4+
- DOT4

## Main Specifications covered:

- FMVSS T16 DOT 3 / DOT 4 / DOT 5.1
- SAE J 1703 / 1704
- ISO 4925 Class 3/ 4/ 5.1/6
- JISK2233 Class 3/4/S/6
- VW50114
- MB331.0





DOT 5.1

**SPECIFICATIONS**  
FMVSS 116 DOT 3 / DOT 4 / DOT 5.1  
SAE J 1703 / 1'704 ISO 4925  
Class 3 / 4 / 5.1  
JIS K 2233 Class3 / 4 / 5

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



DOT4+

**SPECIFICATIONS**  
FMVSS 116 DOT 4  
SAE J 1703 / 1704  
ISO 4925 Class 3/4/6  
JIS K 2233 Class 3/4/6  
VW 50114

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



DOT 4

**SPECIFICATIONS**  
FMVSS 116 DOT 4  
SAE J 1703 / 1704  
ISO 4925 Claas 3/4/6  
JIS K 2233 Class 3/4/6  
MB 331.0

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |





Autostar Radiator Antifreeze is compatible for a wide range of applications passenger cars, commercial vehicles, buses, agricultural machines as well as stationary engines and devices that require radiator antifreeze of this quality. These engines are made of cast iron, aluminium or a combination of the two as well as cooling systems with aluminium or copper alloys. Particularly suitable for engines of the latest generation.

The combination of active agents based on ethylene glycol. With an effective OAT inhibitor package specially developed for modern aluminium high-performance engines. Provides excellent protection against frost, corrosion and overheating and does not contain amines, nitrites, phosphates, borates or silicates. Adding the correct amount to the water provides reliable vehicle

## Advantages

- ▶ Miscible and compatible with high-quality synthetic: brake fluids
- ▶ Outstanding protection against the formation of steam bubbles
- ▶ Excellent elastomer compatibility
- ▶ Assures a high degree of lubricating action on all moving components in the hydraulic: brake circuit

## Products included within the Autostar range:

- C13,12+,12++
- Concentblue
- B READY -25 °C
- F READY -25 °C

## Main Specifications covered:

- ASTM 03306 / 04985
- SAEJ1034
- VW TL 774-J(G13), G (G12++), F (G12+),
- C (011), D / F (012+.
- AFNOR NF R 15 - 601
- MAN 324 Si-OAT, 324 SNF, 324 NF/pritader
- MB 325.S / 325.6
- SCANIA TB 1451, TI 02-98 0813 T/B/Msv
- 956580
- BMW N60069.0, 83 19 2 211195
- MTU MTL 5048
- GM 6277M/Opel B0401065
- Ford WSS-M 97844-D



## G13

**SPECIFICATIONS**  
ASTM D3306 / 04985  
SAEJ1034  
VW TL 774-J(Cill)

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 012++

**SPECIFICATIONS**  
VW TL 774-Q (012++)  
ASTMD3306  
AFNOR NF R 15-601  
MAN 324 Si-OAT MB 325.S / 325.6  
SCAN IA IB 1451

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## 012+

**SPECIFICATIONS**  
VW TL 774-F (012+)  
ASTM D3306  
AFNOR NF R 15-601  
MAN324SNF MB325.J  
SCANIA TI 02-98 0813 T / B / M SW

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## Concentblue

**SPECIFICATIONS**  
VW TL 774-F (C12+)  
ASTMD3306  
AFNOR NF R 15-601  
MAN324SNF  
MB325.3 8S6580

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## Concentblue

**SPECIFICATIONS**  
VW TL 774 C (C11) ASTM D3306 / 04985  
AFNOR NF R 15-601  
MAN 324 NF/ pritader  
MB325.0 BMW N60069.0

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## B READY-25 °C

**SPECIFICATIONS**  
VW TL 774-D / F (Q'12+)  
ASTMD3306 AFNOR NF R 15-601  
MAN324SNF MB326.3  
QM 6277M / Opel B040 1065

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## F READY-25 °C

**SPECIFICATIONS**  
VW TL... 774-D / F (G12+).  
ASTM D3306  
AFNOR NF R 15-601 MAN324SNF  
MB326.3 OM 6277M / Opel  
B0401065

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



# Greases

May it ball roller bearings, cylindrical roller bearings, spherical roller bearings, slide bearings and so on – the widest variety of bearings are used in machinery and vehicle construction. Engineers and users expect malfunction-free operation and maximum service life for their equipment, to ensure economic efficiency. Using a heavy-duty grease from Autostar Germany is therefore like a life insurance for many moving machine parts. They reduce friction between material pairs, thus minimising wear. Autostar Germany OFFER A RANGE OF high-performance multi-purpose grease for lubricating plain and roller bearings under normal and high loads. Suitable as a universal grease for motor vehicles and for general machine lubrication. Multipurpose Grease ensures long-term lubrication, has good sealing properties, is resistant to damp and dusty environments and moves well in central lubrication systems. Cold and hot water resistant, friction and wear reducing, high pressure and oxidation resistant, work stable as well as protecting from corrosion.

Products included within the Autostar Germany range:

- NLGI 2
- EP 2,3

## Advantages

- Excellent stability to liquefying
- Friction and wear reducing
- Good corrosion protection
- Highest load -carrying capacity
- Especially resistant to cold and hot water
- Outstanding slip properties
- Optimum stability to aging



### NLGI 2

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



### EP3

| Autostar Code | Size      |
|---------------|-----------|
| 1000-01       | 1 Litre   |
| 1000-04       | 4 Litre   |
| 1000-05       | 5 Litre   |
| 1000-20       | 20 Litre  |
| 1000-60       | 60 Litre  |
| 1000-200      | 200 Litre |



## NOTES

[illegible]

## NOTES

[illegible]