



# Product Selection Guide

and Cross Reference  
**2003 EDITION**

Lubrication recommendations for  
DOMESTIC AND FOREIGN PASSENGER CARS  
TRUCKS ■ TRACTORS ■ OUTBOARD MOTORS  
MOTORCYCLES ■ SNOWMOBILES  
CHAIN SAWS ■ LAWN MOWERS

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# How to use this Selection Guide and Cross Reference

This guide has been designed to help AMSOIL Dealers quickly and accurately locate and recommend AMSOIL lubricants for practical application. This guide is your complete source of information on manufacturer's lubrication specifications for practically every lubrication application you will find as an AMSOIL Dealer. The guide is simple to use:

1. Using the Table of Contents on page 2, find the section of the guide that relates to the general application of the lubricant.
2. Within that section, locate the name of the manufacturer of the equipment in question.
3. Find where the lubricant will be used (crankcase, transmission, differential, final drive, etc.)
4. Note the lubrication symbol (bold face letters and/or number) for the particular model or model component in question.
5. Relate this lubrication symbol to the AMSOIL product using the cross reference chart at the back inside cover of this guide.
6. For a description of the AMSOIL Product Code, refer to back outside cover.

(See "Notes" on back outside cover)



- Less routine maintenance . . . oils, lubes, and filters last longer
- Better rust and corrosion protection during off-season storage
- Faster cold weather start-ups
- Fewer repairs and overhauls . . . reduced friction, reduced wear, cleaner fuel and lube systems.

# 2003 AMSOIL Lubrication Recommendation Guide • Key to Lubricant Symbols

Subject to change.

| LUBRICANT SYMBOL | DESCRIPTION  | AMSOIL LUBRICANT                         | LUBRICANT SYMBOL | DESCRIPTION   | AMSOIL LUBRICANT               |
|------------------|--|--|------------------|---|--------------------------------|
| <b>AE</b>        | Type LT 71141 Automatic Transmission Fluid               | <b>N/A</b>                               | <b>HB</b>        | Hydraulic Brake Fluid, DOT-3 or DOT-4   | <b>N/A</b>                     |
| <b>AF2</b>       | DEXRON™-II Automatic Transmission Fluid, GM              | <b>ATF</b>                               | <b>HBH</b>       | Hydraulic Brake Fluid, Disc Brakes  | <b>N/A</b>                     |
| <b>AF3</b>       | DEXRON™-III Automatic Transmission Fluid, GM             | <b>ATF</b>                               | <b>HF</b>        | Type C-4 Hydraulic Fluid  | <b>ATH, ATF, CTG, CTJ, CTL</b> |
| <b>AP3</b>       | ATF+2, +3, Chrysler, Automatic Transmission Fluid        | <b>ATF</b>                               | <b>HG</b>        | High Temperature Grease, Clay or Polyurea thickened   | <b>N/A</b>                     |
| <b>AP4</b>       | ATF+4 Chrysler, Automatic Transmission Fluid             | <b>ATF</b>                               | <b>HOA</b>       | Anti-wear Hydraulic Oil   | <b>CTJ, AWH, ATF</b>           |
| <b>API*</b>      | Motor Oil Licensed By API/ILSAC (Except for FFV Engines) | <b>XLM, PCO, XLF, XLT</b>                | <b>HTF</b>       | Tractor Hydraulic Fluid   | <b>ATH</b>                     |
| <b>BC</b>        | Bar and Chain Oil  | <b>ABC</b>                               | <b>HY</b>        | Hydraulic Oil   | <b>ATH, CTG, CTJ</b>           |
| <b>BL</b>        | Brake Lubricant  | <b>N/A</b>                               | <b>LB</b>        | Chassis Lubricant, NLGI LB  | <b>GLC, GHD, GRG, GWR</b>      |
| <b>BTF</b>       | Hydraulic Transmission Fluid                             | <b>N/A</b>                               | <b>LM</b>        | Lithium Multipurpose Grease   | <b>GRG, GLC, GWR</b>           |
| <b>CC</b>        | Motor Oil, API Service CC                                | <b>All Motor Oils</b>                    | <b>Moly LM</b>   | Multipurpose Grease with Moly   |                                |
| <b>CD</b>        | Motor Oil, API Service CD                                | <b>All Motor Oils</b>                    |                  | Ford, Mazada  | <b>GHD, GRG</b>                |
| <b>CD-II</b>     | Motor Oil, API Service CD-II                             | <b>All Motor Oils</b>                    |                  | Toyota  | <b>GHB</b>                     |
| <b>CE</b>        | Motor Oil, API Service CE                                | <b>All Motor Oils</b>                    | <b>LS</b>        | Steering Gear Lube Exc. Ford ESF-MIC 160A   | <b>N/A</b>                     |
| <b>CF</b>        | Motor Oil, API Service CF                                | <b>All Motor Oils</b>                    |                  | Ford ESF-MIC 160A   | <b>GLB</b>                     |
| <b>CF-2</b>      | Motor Oil, API Service CF-2                              | <b>HDD, ACD, AME, AMO, ARO</b>           | <b>MA</b>        | Mercon™ Automatic Transmission Fluid, Ford  | <b>ATF</b>                     |
| <b>CF-4</b>      | Motor Oil, API Service CF-4                              | <b>HDD, AME, PCO, AMO, ARO</b>           | <b>MA-5</b>      | Mercon™ 5 Automatic Transmission Fluid, Ford  | <b>ATF</b>                     |
| <b>CG-4</b>      | Motor Oil, API Service CG-4                              | <b>HDD, AME, PCO, AMO, ARO</b>           | <b>MO</b>        | Motor Oil, any API Service Classification   | <b>All Motor Oils</b>          |
| <b>CH-4</b>      | Motor Oil, API Service CH-4                              | <b>HDD, AME, PCO, AMO, ARO</b>           | <b>MT-1</b>      | Gear Lube, API Service MT-1   | <b>TGR, AGR, TGO, AGO, AGL</b> |
| <b>CI-4</b>      | Motor Oil, API Service CI-4                              | <b>HDD, AME, PCO, AMO, ARO</b>           | <b>OL</b>        | Outboard Gear Lube, Except OMC Low-Vis Gear Oil   | <b>ALU, AGT</b>                |
| <b>CL</b>        | Chassis Lubricant  | <b>GLC, GHD, GRG, GWR</b>                |                  | OMC Low-Vis Gear Oil  | <b>ATF</b>                     |
| <b>CTF</b>       | Cab Tilt Fluid   | <b>N/A</b>                               | <b>PO</b>        | Penetrating Oil   | <b>AMP</b>                     |
| <b>CV</b>        | Constant Velocity Joint Grease                           | <b>N/A</b>                               | <b>PS</b>        | Power Steering Fluid  | <b>N/A</b>                     |
| <b>EC</b>        | Engine Coolant & Antifreeze                              | <b>ANF</b>                               | <b>SD</b>        | Motor Oil, API Service SD   | <b>All Motor Oils</b>          |
| <b>EO-L</b>      | Motor Oil, Mack EO-L                                     | <b>HDD, AME, PCO</b>                     | <b>SE</b>        | Motor Oil, API Service SE   | <b>All Motor Oils</b>          |
| <b>EO-M</b>      | Motor Oil, Mack EO-M                                     | <b>HDD, AME, PCO</b>                     | <b>SF</b>        | Motor Oil, API Service SF   | <b>All Motor Oils</b>          |
| <b>EO-M+</b>     | Motor Oil, Mack EO-M+                                    | <b>HDD, AME, PCO</b>                     | <b>SG</b>        | Motor Oil, API Service SG   | <b>All Motor Oils</b>          |
| <b>EP</b>        | Extreme Pressure Gear Lube                               | <b>TGR, AGR, TGO, AGO, AGL</b>           | <b>SH</b>        | Motor Oil, API Service SH   | <b>All Motor Oils</b>          |
| <b>FA</b>        | Automatic Transmission Fluid, Type-F Use                 | <b>ART or ATF</b>                        | <b>SJ</b>        | Motor Oil, API Service SJ   | <b>All Motor Oils</b>          |
| <b>GC</b>        | Wheel Bearing Grease, NLGI GC                            | <b>GLC, GHD, GRG, GWR</b>                | <b>SL</b>        | Motor Oil, API Service SL   | <b>All Motor Oils</b>          |
| <b>GG</b>        | Graphite Grease  | <b>N/A</b>                               | <b>SLF</b>       | Special Lube Fluid, Except as Listed  | <b>N/A</b>                     |
| <b>GL-1</b>      | Gear Lube, API Service GL-1                              | <b>TRO, ARO, CTL, CTJ, CTG</b>           |                  | Ford Manual Trans. Fluid WSD-M2C200-C   | <b>AGR/TGR</b>                 |
| <b>GL-2</b>      | Gear Lube, API Service GL-2                              | <b>TGR, AGR, TGO, AGO, AGL</b>           |                  | Hyundai, Mitsubishi, Chrysler Imports, KIA calling for Diamond SP-II Automatic Transmission Fluid | <b>ATF</b>                     |
| <b>GL-3</b>      | Gear Lube, API Service GL-3                              | <b>TGR, AGR, TGO, AGO, AGL</b>           |                  | Jeep MS-10216   | <b>ATH</b>                     |
| <b>GL-4</b>      | Gear Lube, API Service GL-4                              | <b>ALU, AGT, TGR, AGR, TGO, AGO, AGL</b> |                  | Versatile, New Holland Powershift Trans. Oil  | <b>CTG, CTJ, CTL</b>           |
| <b>GL-5</b>      | Gear Lube, API Service GL-5                              | <b>TGR, AGR, TGO, AGO, AGL</b>           |                  | Caterpillar MTO   | <b>CTJ</b>                     |
| <b>GL-5*</b>     | GL-5 Gear Lube For Limited Slip Differentials            | <b>TGR, AGR, TGO, AGO, AGL</b>           | <b>SLG</b>       | Special Lube, Grease  | <b>N/A</b>                     |
|                  |  |  | <b>SLS</b>       | Special Lube, Spray   |                                |
|                  |  |  |                  | VW/Audi Silicone Spray  | <b>ALS</b>                     |
|                  |  |  |                  | Ford Multipurpose Spray Grease  | <b>GLC Spray</b>               |
|                  |  |  |                  | Case, IH Tractor & Peterbilt, Kenworth Truck  | <b>N/A</b>                     |
|                  |  |  | <b>SP</b>        | Speedometer Cable Lube  | <b>N/A</b>                     |
| <b>GLS</b>       | Gear Lube, Special                                       |  | <b>TC</b>        | Two-Cycle Oil for Air-Cooled Engines  | <b>TCR, AIO, ATC</b>           |
|                  | BMW Manual Transmission Differential                     | <b>RCM</b>                               | <b>TC-W</b>      | Two-Cycle Oil for Water-Cooled Engine, Type TC-W  | <b>TCR, AIO, ATC</b>           |
|                  | Chrysler, Dodge, Eagle                                   | <b>N/A</b>                               |                  |   |                                |
|                  | MS-9417 use Part #4874465                                | <b>TCC or SGJ</b>                        | <b>TC-W2</b>     | Two-Cycle Oil for Water-Cooled Engines, Type TC-W2  | <b>TCR, AIO, ATC</b>           |
|                  | MS-9224 use Part #4874464                                | <b>HDD, ASL, XLF</b>                     |                  |   |                                |
|                  | Synthetic 75W140 use                                     | <b>TGO</b>                               | <b>TC-W3</b>     | Two-Cycle Oil for Water-Cooled Engines, Type TC-W3  | <b>TCR, AIO, ATC</b>           |
|                  | General Motors Products                                  |  |                  |   |                                |
|                  | Except 12345577, 12346190                                | <b>HDD, TSO, ASL</b>                     | <b>TIV</b>       | Type T-IV Automatic Transmission Fluid  | <b>N/A</b>                     |
|                  | Only 12345577, 12346190                                  | <b>TGR, AGR</b>                          | <b>TO-4</b>      | Transmission Oil, TO-4, Caterpillar   | <b>CTG, CTJ, CTL</b>           |
|                  | Ford Truck   | <b>TGO, AGO, TGR, AGR, AGL</b>           | <b>TO-A</b>      | Transmission Oil, TO-4M, Caterpillar  | <b>CTJ</b>                     |
|                  | Honda, Acura   | <b>N/A</b>                               | <b>TTA</b>       | Type T Automatic Transmission Fluid   | <b>N/A</b>                     |
|                  | Hyundai  | <b>ATF</b>                               | <b>TU</b>        | Super Tractor Universal Oil (STOU)  | <b>N/A</b>                     |
|                  | Mercedes 900 989 26 03-15                                | <b>N/A</b>                               | <b>VTA</b>       | Variable Transmission Fluid, Saturn #22697447   | <b>N/A</b>                     |
|                  | Mitsubishi   | <b>ATF</b>                               | <b>VTF</b>       | Variable Transmission Fluid, Audi, Honda, Saturn  | <b>N/A</b>                     |
|                  | Subaru   | <b>TGR, AGR</b>                          | <b>WB</b>        | Water Proof Grease  | <b>GWR</b>                     |
|                  | Toyota   | <b>TGR, AGR</b>                          |                  |   |                                |
|                  | Volvo  | <b>N/A</b>                               |                  |   |                                |

\*Vehicle manufacturer's additive may be used, if desired.

**N/A – Not available from AMSOIL**

# AMSOIL Products

| Code | DESCRIPTION   | VISCOSITY  |
|------|---|------------|
| ABC  | Bar & Chain Oil, Semi-Synthetic   | SAE 30     |
| ACB  | Cetane Boost  |            |
| ACD  | Synthetic Diesel Oil, API CF/CF/CF-2/CH-4SL                                     | SAE 30     |
| ADC  | Heavy Duty Diesel Fuel Additive   |            |
| ADM  | Light Duty Diesel Fuel Modifier   |            |
| AEF  | Engine Flush  |            |
| AFF  | Synthetic "4-Stroke" Motor Oil, API SJ/SL/CF                                    | SAE 0W40   |
| AGL  | Synthetic Gear Lube, API GL-2 thru GL-5, MT-1                                   | SAE 80W90  |
| AGO  | Synthetic Gear Lube, API GL-2 thru GL-5, MT-1                                   | SAE 85W140 |
| AGR  | Synthetic Gear Lube, API GL-2 thru GL-5, MT-1                                   | SAE 75W90  |
| AGT  | Synthetic Gear Lube, API GL-4, MT-1   | SAE 80W90  |
| AHR  | Synthetic Super Heavy Weight Racing Oil, API, SL/CF, JASO MB                    | SAE 60     |
| AIO  | Synthetic 2-Cycle Injector Oil, API TC, NMMA TC-W3, JASO FC                     |            |
| ALS  | Silicone Lubricant Spray  |            |
| ALU  | Synthetic Lower Unit Gear lube, API GL-4, MT-1                                  | SAE 80W90  |
| AME  | Synthetic Diesel & Marine Oil, API CF/CF-2/CH-4/CI-4/SL                         | SAE 15W40  |
| AMF  | Synthetic Motorcycle Oil, API SJ/SL/CF, JASO MA                                 | SAE 10W40  |
| AMH  | Heavy Duty Metal Protector, Aerosol   |            |
| AMO  | Synthetic High Performance Oil, API SJ/SL/CF-2/ CH-4                            | SAE 10W40  |
| AMP  | MP Brand, Metal Protector, Aerosol  |            |
| AMV  | Synthetic Motorcycle Oil, API SJ/SL/CF, JASO MA                                 | SAE 20W50  |
| ANF  | Propylene Glycol Antifreeze & Engine Coolant                                    |            |
| ANG  | Synthetic Natural Gas Oil, Low Ash  | SAE 40     |
| AOB  | Series 2000 Octane Boost  |            |
| APF  | AMSOIL Power Foam Engine & Intake system Cleaner, Aerosol                       |            |
| API  | P.I. Brand performance Improver Gasoline Additive Concentrate                   |            |
| AQS  | P.I. Quick Shot Performance Improver, single-use size                           |            |
| ARO  | Synthetic High Performance Oil, API SJ/SL/CF/CF-2/ CH-4                         |            |
| ART  | Synthetic Super Shift Racing Transmission Fluid, Ford Type F                    |            |
| ASL  | Synthetic Motor Oil, API SJ/SL/CF, ILSAC GF-3                                   | SAE 5W30   |
| AST  | Gasoline Stabilizer   |            |
| ATC  | Synthetic Pre-Mix 2 cycle Oil, 100:1, API TC, NMMA TC-W3, JASO FC               |            |
| ATF  | Synthetic Universal Automatic Transmission Oil, Dexron 3, Mercon V, Chry. ATF+4 |            |
| ATH  | Synthetic Tractor Hydraulic/Transmission Oil                                    | SAE 30     |
| ATM  | Synthetic Motor Oil, API SL/SJ/CF, ILSAC GF-3                                   | SAE 10W30  |
| AWH  | Synthetic AW Hydraulic Oil, ISO 32  | SAE 10W    |
| CTG  | Synthetic Powershift Transmission lube, API GL-1, CD, CAT. TO-4                 | SAE 10     |
| CTJ  | Synthetic Powershift Transmission lube, API GL-1, CD, CAT. TO-4                 | SAE 30     |
| CTL  | Synthetic Powershift Transmission lube, API GL-1, CD, CAT. TO-4                 | SAE 50     |
| GFW  | Synthetic 5th Wheel & Open Gear Grease, Aerosol, AGMA 14R                       |            |
| GHD  | Synthetic Heavy-Duty Grease with Moly, NLGI GC/LB                               | NLGI #2    |
| GLC  | Synthetic Multi-Purpose Grease, NLGI GC/LB                                      | NLGI #2    |
| GRG  | Series 2000 Synthetic Racing Grease, NLGI GC/LB                                 | NLGI #2    |
| GSF  | Synthetic Extreme "Spy" Grease  | NLGI #00   |
| GWR  | Synthetic Water Resistant Grease  | NLGI #2    |
| HDD  | Series 3000 Synthetic Diesel Oil, API CH-4/CI-4/CF-2/CF/SL                      | SAE 5W30   |
| PCO  | Synthetic Blend Gas & Diesel Oil, API CH-4/CI-4/CF-2/CF/SL                      | SAE 15W40  |
| STL  | Synthetic Shock Therpy Suspension Fluid, Light Weight                           | SAE 5W     |
| STM  | Synthetic Shock Therpy Suspension Fluid, Medium Weight                          | SAE 10W    |
| TBI  | Synthetic Biodegradable Hydraulic Oil   | ISO 32/46  |
| TCC  | Series 2000 Synthetic Chain Case Lubricant                                      | ISO 68     |
| TCR  | Series 2000, Synthetic 2-Cycle Racing Oil                                       |            |
| TGO  | Series 2000 Synthetic Gear Lube, API GL-2 Thru GL-5, MT-1                       | SAE 75W140 |
| TGR  | Series 2000 Synthetic Gear Lube, API GL-2 Thru GL-5, MT-1                       | SAE 75W90  |
| TRO  | Series 2000 Synthetic Motor Oil, API SL/SJ/CF, ILSAC GF-3                       | SE 20W50   |
| TSO  | Series 2000 Synthetic Motor Oil, API SL/SJ/CF, ILSAC GF-3                       | SE 0W30    |
| XLF  | Series 7500 Synthetic Motor Oil, API SL/SJ/CF                                   | SAE 5W30   |
| XLM  | Series 7500 Synthetic Motor Oil, API SL/SJ/CF                                   | SAE 5W20   |
| XLO  | Series 7500 Synthetic Motor Oil, API SL/SJ/CF                                   | SAE 10W40  |
| XLT  | Series 7500 Synthetic Motor Oil, API SL/SJ/CF                                   | SAE 10W30  |

## NOTES

### 1. Automatic Transmission Refill Procedure:

Add specified quantity of fluid and idle engine to operating temperature. While idling, shift through all gears, then check and bring fluid level to between "add" and "full." Procedure to include torque converter change available for AMSOIL technical service.

### 2. Oil Filter — Crankcase Notes:

- Tighten oil filter one full turn after gasket makes contact, back off 1/8 inch.
- Refill crankcase with oil as listed.
- Idle engine and check for leaks.
- Stop engine, add oil as needed to keep oil above "add" line.

### 3. Fuller, Rockwell and Mack Transmission and Differential Notes:

Many AMSOIL lubes may be used in these units. They now prefer synthetic lubes. AMSOIL CTL is first choice for transmissions, with TRO and ARO also recommended. AMSOIL TGR, AGR, TGO and AGO are differential recommended for the differentials.

### 4. Harley-Davidson

| PART #   | USE          | AMSOIL                  |
|----------|--------------|-------------------------|
| 99887-84 | Chaincase    | AMF, AMO                |
| 99892-84 | Transmission | TGR, AGR, AGL, ALU, AGT |
| 99896-88 | Transmission | AMV, ARO                |

### 5. Two-Cycle Oils:

AMSOIL Series 2000 2-Cycle Racing Oil (TCR), 2-cycle 100:1 (ATC) and 2-cycle Injector Oil (AIO) are recommended for 2-cycle applications including outboard motors, snowmobiles, outdoor yard equipment, motorcycles, ATV's and personal watercraft that require TC-W3, API TC or JASO FC. Recommended for 2-cycle engines that utilize exhaust power valves. **Not** recommended for use with nitro-methane or alcohol fuels. AMSOIL's 2-Cycle oils replace all OEM branded oils.

**Note:** ATC is a pre-mix only and should not be used in oil-injection systems.

### 6. Limited Slip Differential Note:

After changing fluid, drive the vehicle in 8-10 figure 8 turns to allow proper function of the limited slip feature.

