

AUTOMOTIVE GEAR OIL

75W80 AND 75W90

DESCRIPTION and APPLICATION

UNITRAN automotive gear

oils are formulated with a special selection of high quality hydrotreated base stocks and high quality synthetic base stocks and an ashless, sulfur phosphorus type additive package.

UNITRAN automotive gear oils are developed to lubricate all types of hypoid, spiral bevel, two-speed and final axle gear drives including worm gear drives, both in automotive vehicles and industrial applications, operating at severe and shock loads, and sliding velocities.

These high quality automotive gear oils are recommended for use in:

- On-highway light- and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, quarrying, and agriculture
- Transmissions and axles and other applications where lubricants meeting API GL-4, GL-5 or MT-1 where mild extreme pressure gear lubricants are recommended

SPECIFICATIONS

| SAE | 75W-80 | 75W-90 |
|---------|--------------------------------|--------------------------|
| API | GL-5/GL-4/MT-1 | |
| MAN | 341 Type Z2 | 341 Type Z2; 342 Type M2 |
| Mack | - | GO-J |
| MIL | - | PRF-2105E |
| SAE | - | J2360 |
| Renault | note technique B0032/2 annex 3 | - |

TYPICAL CHARACTERISTICS

| PARAMETER | TEST METHOD | UNITRAN | |
|--|-------------|-----------|------------|
| | | SAE 75W80 | SAE 75W-90 |
| Density at 20°C, g/ml | EN ISO 3675 | 0.862 | 0.876 |
| Kinematic Viscosity at 100°C, mm ² /s | EN ISO 3104 | 8.4 | 16.7 |
| Viscosity Index | ISO 2909 | 140 | 175 |
| Brookfield Viscosity at minus 40°C, cP | ASTM D 2983 | 100 000 | 110 000 |
| Flash point COC, °C | EN ISO 2592 | 190 | 176 |
| Pour point, °C | ISO 3016 | <-39 | <-39 |
| Copper Strip Corrosion, rating | EN ISO 2160 | 1a | 1a |
| FZG Test | ASTM D 5182 | | |
| - Failure Load Stage | | 12 | 12 |

| | | |
|----------|------------|--------------------------------|
| Iveco | - | axle lubricants |
| DAF | - | axle lubricants |
| ZF TE-ML | 02B/08/17B | 02B/05A/07A/08/12L/16B/17B/21B |

BENEFITS

- Excellent protection for all gear drive components
- Exceptionally good low temperature performance down to minus 40°C
- Dependable rust & corrosion protection
- Excellent oxidation stability and enhance resistance to breakdown from heat
- Very good seal compatibility preventing oil leakages
- Excellent anti-wear, anti-scuffing and anti-seizure properties at a variety of speeds and loads
- Easy gear shifting as well under cold or hot conditions of use, providing optimal driving comfort
- Fuel economy potential

HEALTH, SAFETY, TRANSPORT AND STORAGE

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY