



TECHNICAL DATA BULLETIN

703-704 MONOLEC® Gear Lubricant

DESCRIPTION:

Multiviscosity extreme pressure (EP) gear oils. Select paraffinic base stocks blended with exceptional additives to achieve the proper balance between maintaining high load-carrying capabilities while providing excellent lubricity and film strength.

Contains MONOLEC®, LE's exclusive wear-reducing additive. Recommended for Rockwell axles, Eaton axles, Mack gearing, limited slip differentials and heavily loaded industrial enclosed gearboxes.

PHYSICAL CHARACTERISTICS—TYPICAL:

| | 703 | 704 |
|---------------------------|-----------|-----------|
| SAE Grade | 80W-90 | 85W-140 |
| Gravity, °API | 28.6 | 26.2 |
| Viscosity, | | |
| SUS @ 100°F | 814.0 | 2148 |
| SUS @ 210°F | 79.69 | 138.1 |
| cSt @ 40°C | 155.5 | 403.5 |
| cSt @ 100°C | 15.12 | 28.25 |
| Viscosity Index, min. | 95 | 95 |
| Brookfield Viscosity, | | |
| @ -15°F (-26°C) cPs, max. | 150,000 | — |
| @ +10°F (-12°C) cPs, max. | — | 150,000 |
| Color | Red | Red |
| Flash Point, °F (°C) | 388 (198) | 399 (204) |
| Pour Point, °F (°C) | -17 (-27) | 5 (-15) |

PERFORMANCE TEST RESULTS:

| | | |
|---|------|------|
| Timken OK Load, lbs., ASTM D-2782 | 70 | 70 |
| Foam Test, ASTM D-892 | Pass | Pass |
| Copper Corrosion, ASTM D-130 | 1b | 1b |
| Evaporation (%), ASTM D-972 (212°F/100°C) | 1.3 | 1.3 |

SPECIFICATIONS EXCEEDED:

| | |
|---------------------------|---------------------------|
| AGMA 9005-D94 | Diamond Power Soot Blower |
| CS-3000B | USDA H2 |
| Mack GO-H | MIL-PRF-2105D(E) |
| Rockwell (0-76-D, 0-76-A) | API GL-5 |
| API MT-1 | PG-2 |

APPLICATION:

Use in all differentials and transmissions (except those requiring pure mineral oil) on over-the-road and stop-and-go fleets, as well as off-highway equipment. Can be used in Rockwell axles and Eaton axles. Use in limited slip differentials. Approved for use in units calling for Mack GO-H Thermally Stable Gear Oils. Use in all heavily loaded industrial enclosed gears. Use in worm gearboxes and in any gearboxes that have bronze gears, thrust washers, or other parts that require an extreme pressure gear oil.

LUBRICATION ENGINEERS, Inc.®

RECOMMENDATION:

Not an automatic transmission, hydraulic or semi-automatic transmission oil. Not for use in common sump systems which use combination gear-hydraulic oil, hydraulic oil or a power steering fluid.

BENEFICIAL QUALITIES:

Offers exceptional protection to worm gears and bronze parts.

Especially appropriate for machine tools and other precision gearing because low wear rate keeps them within specification longer.

Reduces wear.

Select paraffinic crudes and special refining provide superior oxidation stability and long life.

Passes Moisture Corrosion Test. Gives excellent protection against rust and corrosion.

High film strength, 70 lb. Timken pass.

Passes Thermal Oxidation Stability Test. Long service life.

Nonfoaming.

Does not affect seals.

Multiviscosity for use in all seasons.

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