



SHIFT SYN-TRANS MANUAL TRANSMISSION FLUID

PRODUCT DESCRIPTION:

Shift Syn-Trans is a heavy-duty synthetic manual transmission fluid specially formulated for extended drain and severe service operations. It is designed for year-round lubrication of manual transmissions and provides outstanding high-temperature performance, oxidation stability, wear protection and corrosion control.

APPLICATION:

Shift Syn-Trans is recommended for heavy-duty manual transmissions where extended service intervals are required, including commercial line haul, vocational, off-road and bus applications. Not recommended for hypoid gear applications in differentials and final drivers where API GL-5, MIL-PRF-2105E or SAE J2360 lubricants are specified.

FEATURES & BENEFITS:

- Excellent load carrying and anti-wear performance
- Extended drain capabilities.
- Optimized thermal and oxidation stability.
- High viscosity index and outstanding low-temperature fluidity.
- Compatible with a wide range of seal elastomers.
- Excellent viscosity retention, which contributes to system protection throughout the fluid's service life.
- Improved friction reduction properties

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

| SAE GRADES | SAE 40 | SAE 50 |
|------------|---------------------|---------------------|
| API | MT-1 | MT-1 |
| EATON | PS-386 | PS-164 Rev 7 |
| MACK | TO-A Plus | TO-A Plus |
| Navistar | MPAPS B-6816 Type-2 | MPAPS B-6816 Type-1 |

*Phosphorus limit exceeds.

TYPICAL PROPERTIES:

| PARAMETERS | ASTM | UNIT | SHIFT SYN-TRANS | |
|-------------------|-------|-------|-----------------|--------|
| | | | SAE 40 | SAE 50 |
| KV@ 104°F /40°C | D7042 | cSt | TBR | TBR |
| KV @ 212°F /100°C | D7042 | cSt | 14.5 | 17.6 |
| Viscosity Index | D2270 | - | 95 | 95 |
| SP. Gravity @15°C | D4052 | g/cm3 | TBR | TBR |
| Flash Point (min) | D92 | °C | 200 | 200 |
| Pour Point (max) | D97 | °C | -42 | -42 |

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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