# ATF HD295

## Heavy Duty Automatic Transmission Fluid

### OVERVIEW

ATF HD295 is a high-performance automatic transmission fluid developed specifically for modern heavy-duty automatic transmissions. It is manufactured to demanding industrial standards, providing protection for the transmission systems of heavy vehicles and supporting efficient operation in sustained service.

### KEY BENEFITS

- Advanced anti-wear additives form a tough protective film on gears, clutch plates and other components — reducing friction loss, extending the life of core transmission parts and cutting maintenance frequency and cost.
- Maintains fluidity in extremely cold conditions, so the transmission is lubricated rapidly on start-up for responsive, smooth shifting without low-temperature shift stutter.
- Retains stable viscosity and physical properties under high-temperature, heavy-load operation — inhibiting oxidation, thickening and coking, and preventing overheating-related failures on long-distance heavy haulage.
- Friction characteristics tuned to heavy-duty automatic transmissions deliver smooth, rapid shifts with reduced shift shock and improved power transmission efficiency.
- Effective foam control under high-speed agitation prevents cavitation and lubrication starvation, while rapid water separation prevents emulsification and keeps performance stable.

### APPLICATIONS

Suitable for the automatic transmissions fitted to heavy-duty trucks, coaches, construction machinery and equipment — including, but not limited to, heavy-duty automatic transmission models from Allison and ZF.

### PERFORMANCE LEVELS

Formulated to meet the performance requirements of:

Allison 295 · Meritor M3309

*These are performance levels, not certifications. The listing does not represent a current OEM approval or an API licence.*

### TYPICAL DATA

| Property | ATF HD295 |
|---|---|
| Kinematic viscosity (100 °C), mm²/s | 6.0 |
| Viscosity index | 174 |
| Flash point (°C) | 212 |
| Corrosion of copper sheet (150 °C 3h), grade | 1a |
| Apparent viscosity (-40 °C), mPa · s | 7860 |

*Typical values only — not a specification. Minor batch-to-batch variation does not affect product performance.*