Product Data

# TranSynd 668

Full-Synthetic Automatic Transmission Fluid

## Description

Castrol TranSynd 668 is a premium, full-synthetic automatic transmission fluid specifically formulated for Allison Transmission® on-highway automatic transmissions. TranSynd 668 provides oxidative stability, anti-wear performance, and friction durability, as well as TES 668™ specification differentiators such as extended anti-shudder durability and extended clutch friction durability. This fluid features an Allison® TES 668™ approval. The TES 668™ spec is fully backwards compatible with both Allison TES 295® and TES 468™ applications.

## Advantages

- Delivers improved gear protection.
- Delivers extended anti-shudder durability.
- Delivers extended clutch-friction durability.
- Excellent corrosion and foaming resistance.
- Excellent thermal and oxidative stability that helps to prevent deposits and oil thickening.
- Excellent transmission cleanliness under all conditions permits extended oil-drain intervals and decreased servicing.
- Excellent temperature reduction through reduced friction leads to longer oil and component life.
- Outstanding cold-flow properties enables faster oil flow to all critical components particularly during cold starts.
- Optimized frictional characteristics gives smoother gear changing at all ambient temperatures and load conditions.
- Excellent shear stability properties help to retain full transmission performance over entire oil-drain interval.

## Typical Characteristics

| Name | Method | Units | TranSynd 668 |
|---|---|---|---|
| Appearance | Visual | - | Bright & Clear |
| Colour | ASTM D6045 | - | 6.2 |
| Density @ 15C, Relative | ASTM D4052 | g/ml | 0.8508 |
| Viscosity, Kinematic 100C | ASTM D445 | mm²/s | 6.9 |
| Viscosity, Kinematic 40C | ASTM D445 | mm²/s | 33 |
| Viscosity Index | DIN ISO 2909 | None | 168 |
| Viscosity, Brookfield @ -40C (75W) | ASTM D2983 | mPa.s (cP) | < 12.000 |
| Flash Point, COC | ASTM D92 | °C | > 210 |
| Pour Point | ASTM D5950 | °C | -51 |

## Product Performance Claims

Allison® TES 668™
Voith H55.6335.xx
Volvo Transmission Oil 97341:091
MAN 339 V1
DTFR 13C190
DANA-OHTM-ATF-X
Backwards compatible with both Allison TES 295® and TES 468™


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