



Rugged™ 668 HD Synthetic Transmission Fluid

RUGGED™ 668 HD Synthetic Transmission Fluid is a full-synthetic, heavy-duty quality transmission/drive train lubricant and offers many benefits over non-synthetic, mineral -based products. This “next generation” transmission fluid is specified for all Allison 1000 Series™, 2000 Series™ 3000 Series™ and 4000 Series™ automatic transmissions. **RUGGED™ 668 HD Synthetic Transmission Fluid** is approved in T10 Transmissions as well as the hybrid H 40/50 EP™ transmission.

Key areas of Improvement over mineral-based products:

- **Oxidative Stability**
- **Anti-wear Performance**
- **Friction Modifier Durability**
- **Shift Quality**
- **Noise Reduction**
- **Shift Vibration/Harshness**
- **Fluid Stability**
- **Lubrication**
- **Cold Operation**

RUGGED™ 668 HD Synthetic Transmission Fluid is formulated for use in automatic transmissions in trucks, busses operating in extreme conditions. It is especially blended for extended service intervals where Allison Transmission® TES 668™ Automatic Transmission Fluid is specified.

RUGGED™ 668 HD Synthetic Transmission Fluid has performance capabilities of Allison Transmission® TES 668™ and is back-serviceable to Allison Transmission® TES 295® applications.

Recommended:

- Allison Transmission® TES 668™- **Approval Number: 668-10172021**
- Allison Transmission® TES 295®, TES 389™
- Allison Transmission® H 40/50 EP™
- Allison Transmission® TC10

Performance Requirements Of:

TYPICAL PROPERTIES		
SAE GRADE		
Specific Gravity	ASTM D-1298	0.851
Pound per Gallon		7.10
Flash Point, °C	ASTM D-92	210
Pour Point, °C	ASTM D-97	-51
Viscosity		
cSt @ 40°C	ASTM D-455	34.3
cSt @100 °C	ASTM D-455	6.9
Viscosity Index	ASTM D-2270	166



A SUPERIOR PRODUCT BY COLORADO PETROLEUM 3-28-2023 JDS

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