



## Heavy Duty Multipurpose ATF

Allison TES-389 Approved ATF

### Description

Castrol Heavy Duty Multipurpose ATF is a multipurpose power transmission fluid that is designed for most power transmission and hydraulic systems to include passenger car and truck automatic transmission, powershift transmissions in off highway construction equipment, hydrostatic drives and industrial, agricultural, mining and marine hydraulics.

### Advantages

Castrol Heavy Duty Multipurpose ATF:

- Longer transmission, torque converter, hydraulic system life.
- Better productivity through efficient equipment performance.
- Longer equipment life under severe service conditions
- Less maintenance. Keeps downtime to a minimum.
- Minimal operator complaints

Castrol Heavy Duty Multipurpose ATF has a high viscosity index that helps maintain oil film protection in severe hot weather service, while its low pour point enables flow in the coldest temperatures resulting in less wear during cold weather starts and operation.

It contains selected additives that maintain optimum frictional properties for the life of the fluid while the excellent oxidation stability provides resistance to chemical deterioration over long service periods. The excellent anti-wear performance of the fluid protects transmission components during the most severe service conditions.

### Warranty and Protection Requirements

- Meets or exceeds all truck and passenger car manufacturer's warranty requirements for vehicles, transmissions, transaxles, power steering systems, or hydraulic systems where an Allison C4, Allison TES-389, Dexron-IIIH, Mercon, or Vickers 35VQ25 fluid is specified.
- Meets or exceeds Allison transmission warranty requirements where an approved and licensed Allison TES-389 ATF is specified.

### Industry Specifications and OEM Approvals

- Allison TES-389 approved and licensed (AA-33182010)
- Allison C4 Approved
- Meets or Exceeds General Motors DEXRON®-IIIH Requirements
- Meets or Exceeds Ford MERCON® Requirements
- Meets or Exceeds the performance requirements of high pressure vane and piston pumps: Vickers (35VQ25, V-104C) and Denison (T-6C, P-46)

## Typical Physical Characteristics

Test	Method	Typical Results
Viscosity at 40°C, cSt	ASTM D-445	34.0
Viscosity at 100°C, cSt	ASTM D-445	7.7
Viscosity Index	ASTM D-2270	210
Viscosity @ 100°F, SUS	ASTM D2161	171
Viscosity @ 210°F, SUS	ASTM D2161	51.8
Color, Typical	ASTM D-1500	6.0 - 8.0
Appearance		Red
Brookfield Viscosity at -40°C, cP	ASTM D-2983	12,100
Pour Point, °C (°F)	ASTM D-97	-51 (-60)
Flash Point, °C (°F)	ASTM D-92	185 (365)
API Gravity	ASTM D-287	34
Specific Gravity, 60°F	ASTM D-1298	0.865
Pounds per Gallon	ASTM D-287	7.119

\* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

## Additional Information

### Part Numbers and UPCs

	HD Multipurpose ATF
<b>3 x 1 Gal. Case Part No.</b>	03515
<b>5 Gal. Pail Part No.</b>	25007
<b>400 LB Drum Part No.</b>	25009
<b>260 Gal. Tote Part No.</b>	250047
<b>Bulk</b>	25000

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