# DRIVELINE

**HiTEC®** 481 Automatic Transmission Fluid



ZF and Voith Extended Drain Approvals, Plus GM IIIH, Ford MERCON<sup>®</sup> V and Allison C-4 Approvals





## HiTEC<sup>®</sup> 481 Automatic Transmission Fluid

ZF and Voith Extended Drain Approvals, plus GM IIIH, Ford MERCON® and Allison C-4 Approvals

#### **Typical Characteristics**

Appearance: Density at 15 °C, g/ml: Kinematic Viscosity at 100°C, mm<sup>2</sup>/s: 7.7 Flash Point, °C (PMCC): Brookfield Viscosity at -40°C, mPa.s:

Clear red liquid 0.853 135 min. 11,000

Automatically First

#### Handling Information

Max Handling Temp: 60°C Shelf Life: 60 months at ambient temperature

#### **Key Performance Benefits**

HiTEC® 481 is an Automatic Transmission Fluid with a significant number of OEM service fill approvals, including ZF TE-ML 14B and Voith H55.6336 extended drain approvals.

HiTEC<sup>®</sup> 481 provides many end-user benefits including:

- Excellent low temperature properties
  - delivering improvement in cold start performance
- Good shear stability
- Excellent thermal and oxidative stability
  - improved component protection and cleaner transmissions
- Superior corrosion and wear protection - extended life for critical parts
- Friction Durability and Retention
  - leading to enhanced driver comfort and extended clutch life

### **Recommended Dosage**

HiTFC<sup>®</sup> 481 is a finished fluid.

#### **Approvals**



- $\mu$  For Ford vehicles of Model Years 2005 and earlier † Formerly approved

Afton product comparison

		Economic	Standard		Premium				Тор
Performance	Benefit	HiTEC <sup>®</sup> 410	HiTEC <sup>®</sup> 419	HiTEC <sup>®</sup> 429	HiTEC <sup>®</sup> 2414	HiTEC <sup>®</sup> 481	HiTEC <sup>®</sup> 2018	Hitec <sup>®</sup> 4014	HiTEC <sup>®</sup> 3491LV
Oxidative stability	Fluid life, lower parts wear	Good	Good	Better	Better	Better	Better	Best	Best
Friction durability	Fluid life	Good	Good	Better	Better	Better	Best	Best	Best
Shear stability	Lower parts wear	Good	Better	Better	Better	Best	Better	Best	Best
Low temp. performance	More efficient cold-starting	Good	Good	Better	Better	Best	Better	Best	Better
Treat-rate	Fluid cost	Best	Best	Better	Better	Good	Good	Good	Good
Range of OEM specs	Inventory, logistics	Good	Good	Better	Best	Best	Good	Good	Better

MERCON® is a registered trademark for Ford Motor Company.

©2020. Afton Chemical Corporation is a wholly-owned subsidiary of NewMarket Corporation (NYSE:NEU). HiTEC® is a trademark of Afton Chemical Corporation. 06/20. The information in this bulletin is, to our best knowledge, sure and accurate, but all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. Afton Chemical Corporation and its affiliates disclaim any liability incurred in connection with the use of these data or suggestions. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

