

HiTEC[®] 419

Automatic Transmission Fluid Additive

Application

HiTEC 419[®] additive is a versatile additive package that offers the ability to easily formulate high quality automatic transmission fluids, using a wide variety of base stocks. Fluids formulated with HiTEC[®] 419 additive have been approved by all of the major North American and European original equipment manufacturers for both passenger car and commercial vehicle applications. HiTEC[®] 419 additive combines durable Zinc free chemistry, ensuring excellent clutch friction performance over many years, with a shear stable dispersant polymethacrylate viscosity index improver. The result is a package which enables straightforward blending of fluids capable of exceeding the requirements of the major North American and European OEM service fill specifications.

Recommended Dosage

HiTEC[®] 419 additive is recommended for use at a treatment rate of 11.4% weight for GM DEXRON[®] III and GM DEXRON[®] IID performance levels and can also be used at 5.7% weight treat for lower performance level applications satisfied by 'Type A Suffix A' (TASA) fluids.

Features

When used in conjunction with appropriate base stocks, HiTEC[®] 419 additive can be used to formulate automatic transmission fluids that exceed the requirements of all the following passenger car and commercial vehicle service fill specifications:

- General Motors Type A Suffix A (TASA)
- General Motors DEXRON[®] IID
- General Motors DEXRON[®] IIIG
- ZF TE-ML -02F, -03D, -04D, -14A and -17C
- ZF TE-ML -09 and -11B
- MAN 339 Type Z-1 and Type V-1
- CAT TO-2
- Allison C-4
- Ford MERCON[®]
- MB 236.1 and MB 236.5
- Voith 55.6335

Typical Characteristics

Appearance	Dark Brown Oily Liquid
Density at 15°C, g/ml	0.92
Viscosity at 100°C, mm ² /s	245
Flash Point (PMC), °C	120
Boron, % weight	0.11
Nitrogen, % weight	0.86
Phosphorus, % weight	0.25
Sulphur, % weight	0.66

Storage, Handling & Toxicity

Recommended maximum blending temperature 60°C.

A Material Safety Data Sheet is available from the Company.

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