

SYNTHETIC DRIVE TRAIN TRANSMISSION AND DRIVE TRAIN OIL

SAE GRADES 5W-20, 5W-30

Product Description

Synthetic Drive Train Fluid is formulated to meet the performance requirements of Caterpillar Specification TO-4 and Allison C-4 for transmissions, final drives, and hydraulic systems. This fluid is manufactured from synthetic base stocks to achieve SAE multigrade characteristics without the use of viscosity improvers, ensuring superior shear stability and boundary lubrication protection. It is compounded with additives to provide detergent-dispersant characteristics, enhanced oxidation and heat resistance, specified friction control, cleanliness, load-carrying ability, corrosion and wear protection, and low foam tendency.

Applications

In normal operations, the product is designed to meet application requirements for use in Caterpillar transmissions, final drives, wet brakes, and hydraulic systems requiring fluid that meets Caterpillar TO-4 specifications.

Typical Properties

Property	SAE 5W-20	SAE 5W-30
Viscosity, cSt at 40°C	49.00	60.20
Viscosity, cSt at 100°C	8.46	10.5
Viscosity Index	150	165
Viscosity, Cold Crank Sim, -30°C	5512	5500
Flash Point, (COC) °F (min)	440	440
Color, ASTM	3.0	3.0
TBN	7.5	7.5
Sulfated Ash, %	1.2	1.2
Pour Point, °F	-40	-67
Gravity, API @ 60°F	35.0	34.5

*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.