



## TENAX MULTI-GRADE HD DRIVE TRAIN FLUID

### DESCRIPTION

49 NORTH® TENAX MULTI-GRADE HD DRIVE TRAIN FLUID is formulated to provide superior low temperature and all season service while conforming to the performance requirements of Caterpillar specification TO-4 and Allison specification C-4.

### QUALITIES

49 NORTH® TENAX MULTI-GRADE DRIVE TRAIN FLUID is engineered to include special friction modifiers to ensure proper lock-up and eliminate slippage in power shift transmissions. Superior oxidation stability and detergency protects the present generation of high performance and high temperature transmissions against premature wear, sludge and varnish formation. This quality lubricant promotes long life and is compatible with seals and friction components. 49 NORTH® TENAX MULTI-GRADE HD DRIVE TRAIN FLUID meets API CF/CF2 quality levels for engine oil and is compatible with normal engine oils. This product displays excellent low temperature start-up properties and performance.

### APPLICATIONS

49 NORTH® TENAX MULTI-GRADE HD DRIVE TRAIN FLUID is recommended for use in power shift transmissions and other components that require Caterpillar TO-2 or TO-4 and Allison C-3 or C-4 fluids. This includes most Caterpillar off-highway equipment transmissions, differentials, final drives and wet brake systems including track-type dozers, tractors, pipe layers, skidders, track-loaders, wheel loaders, compactors, graders, and most dump trucks. It also meets ZF TE-ML 03 requirements.

### TYPICAL PROPERTIES

SAE Viscosity Grade	0W20	5W-30
Product Code	17020	17530
API Gravity (ASTM D-1298)	34.4	26.8
Viscosity (ASTM D 445)		
cSt at 40° C	34.9	50
cSt at 100° C	7.48	9.6
SUS at 100° F	177	252
SUS at 210° F	51	58
Cold Crank, cPs at -30° C (ASTM D-2893)	6600 max	5400
Viscosity Index (ASTM D2270)	184	176
Pour Point (ASTM D 97) °F (°C)	-60 (-51)	-45 (-43)
Flash Point (ASTM D 92) °F (°C)	388 (198)	372 (189)
Colour (ASTM D-1500)	4.0	4.0
Zinc, ppm	1300	1300
Sulfated Ash (ASTM D-874)	1.25	1.25
Total Base Number (ASTM D-2896)	8.5	8.5

## Lubricants For All Reasons