



TENAX HD DRIVE TRAIN FLUIDS

DESCRIPTION

49 NORTH® TENAX heavy duty transmission and final drive fluids are formulated to meet the performance requirements of Caterpillar specification TO-4 (SAE 10W, SAE 30 & SAE 50) and Allison specification C-4 (SAE 10W & SAE 30).

QUALITIES

49 NORTH® TENAX heavy duty transmission and final drive fluids are engineered using 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. These quality lubricants promote long component life and are compatible with seals and friction components. 49 NORTH® TENAX heavy duty transmission and final drive fluids meet API CF/CF2 quality levels for engine oil and are compatible with normal engine oils.

APPLICATIONS

49 NORTH® TENAX heavy duty transmission and final drive fluids are 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 lubricants including transmissions, differentials, final drives and wet brakes used in construction equipment such as dozers, tractors, skidders and loaders. SAE 10W is also used in equipment requiring a 10 weight hydraulic fluid.

TYPICAL PROPERTIES

SAE Viscosity Grade	10W	30	50
Product Code	1711	1713	1715
API Gravity (ASTM D-1298)	28.7	26.8	25.8
Viscosity (ASTM D 445)			
cSt at 40° C	40	97	182
cSt at 100° C	6.15	10.8	17.5
SUS at 100° F	206	507	956
SUS at 210° F	47	62	88
cPs at -20° C (ASTM D-2893)	3400	N/A	N/A
Viscosity Index (ASTM D2270)	97	95	95
Pour Point (ASTM D 97) °F (°C)	-22 (-30)	-4 (-20)	10 (-12)
Flash Point (ASTM D 92) °F (°C)	410 (210)	470 (243)	495(257)
Colour (ASTM D-1500)	3.0	4.5	7.0
Zinc, ppm	1300	1300	1300
Sulfated Ash (ASTM D-874)	1.2	1.2	1.2
Total Base Number (ASTM D-2896)	8.5	8.5	8.5

Lubricants For All Reasons