

# HPURE PLUTUS HYDRAULIC OIL HT-4

## Product Description

**Hydrotreated Transmission & Drive Train oil (TDTO) specially designed for hydraulic and hydrostatic systems. The oil passes the Caterpillar TO-4 specification that not only includes frictional, but also gear wear protection requirements.**

These oils offer maximum protection against mechanical wear, rusting and corrosive wear in all hydraulic and hydrostatic transmission systems, wet disc brakes and final drives. Providing excellent friction control, less brake noise and reduced gear wear, the product helps to prolong the life of brakes, transmissions, hydraulic systems as well as final drives.

## Applications / Benefits

- γ Prevents wear
- γ Friction control
- γ Improves overall transmission and final drives performance
- γ Good elastomer compatibility and oxidation stability

## Typical Characteristics

Test Description	Method	Unit				
SAE Viscosity Grade	SAE J 300	-	<b>10W30</b>	<b>10W</b>	<b>30</b>	<b>40</b>
Density @ 15 °C	ASTM D 4052	kg/L	0.868	0.871	0.879	0.887
Flash Point	ASTM D 92	°C	214	212	236	240
Pour Point	ASTM D 97	°C	-30	-24	-18	-15
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	72.0	34.1	97.3	139.8
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	11.2	5.8	11.4	14.4
Viscosity Index	ASTM D 2270	-	147	112	104	101

## Typical Characteristics

Test Description	Method	Unit		
SAE Viscosity Grade	SAE J 300	-	<b>50</b>	<b>60</b>
Density @ 15 °C	ASTM D 4052	kg/L	0.898	0.899
Flash Point	ASTM D 92	°C	248	256
Pour Point	ASTM D 97	°C	-15	-9
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	204.4	317.3
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	18.2	24.2
Viscosity Index	ASTM D 2270	-	98	97

## Suggested for the Following Uses

Y ALLISON	C-4
Y ALLISON	TES-439
Y CATERPILLAR	TO-4
Y CATERPILLAR	TO-4M
Y DANA	OHTM-TO
Y DANA	POWERSHIFT
Y KOMATSU	DRESSER
Y KOMATSU	TRANSMISSION & FINAL DRIVE
Y TREMEC/TTC	SFU
Y ZF	TE-ML 03C
Y ZF	TE-ML 07F

Reference No.  
6895G2HT4REV1

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