

## **Penzstar Hydra Track 68**

### Heavy-duty Powershift Transmission Fluid

#### **Product Description**

Penzstar Hydra Track 68 is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in agricultural applications. These oils are blended from premium quality group 2 base oils and proven performance additives to provide enhanced wear protection, thermo-oxidative stability, frictional characteristics and rust & corrosion protection. These oils are specifically designed to meet the performance requirements of Deutz-Allis Chalmers 272843 (Power Fluid 821), 257541, 246634, Caterpillar TO-2, Allison Division-GMC C-2/C-3/C-4 Fluid, Kubota UDT, J.I. Case JIC-144, JIC-143/TFD Fluid, JIC-145/TCH Fluid, JIC-185/TFD Fluid, MS-1204, MS 1205, MS-1206 (Powergard PTF), MS-1207 (Hy-Tran Plus), MS-1210 (TCH), Oliver Type 55, Sundstrand Hydrostatic Transmission Fluid, Versatile Gear & Hydraulic Transmission Fluid, John Deere J14B (303 Fluid), J14C, J20C (Hy-gard), J21A, J22, Ford ESN-M-2C41-A or B, ESN-M-2C53-A, ESN-M-2C86-A, BorC, ESN-M-2C77-A, ESN-M-2C134-A, B, CorD, ESN-M-2C48-B, Int Harvester B-6/Hy-Tran, B-5, Kubota UDT, Massey Ferguson M-1110, M-1127 A and B, M-1129A (Permatran), M-1135, M-1141 (Permatran III)

#### **Features & Benefits**

- Improved thermo-oxidative stability and protection of metal surfaces against scuffing and wear gives longer oil and equipment life
- Excellent control of frictional properties prevents clutch slippage and ensures smoother operation of transmissions and brakes
- Provides good protection against rust and corrosion to precision equipment components when operating in humid conditions
- Keeps metal parts free of sludge and varnish leading to reliable operation
- Excellent foam control ensures effective wet brake and transmission performance and controls brake chatter
- Good compatibility with all common seals, O rings, packing materials and clutch materials leads to reduced downtime
- Very good low temperature fluidity (SAE 10W grade) ensures quick startup of equipment

#### **Applications**

- Powershift and automatic transmissions, wet brake, torque converters and hydrostatic systems requiring these quality fluids
- Heavy duty manual transmissions, gear boxes, final drives and hydraulic systems used in offhighway equipments for agricultural applications requiring fluids meeting the below mentioned specifications.

### Specification & Typical Properties

Typical Properties	ASTM Method	Typical Values
<b>ISO VG</b>	<b>ISO 3448</b>	<b>68</b>
SAE Grade	SAE J300	10W 20
Viscosity, Kinematic		
at 40 °C, cSt	ASTM D 445	68
at 100 °C, cSt	ASTM D 445	8.94
Viscosity Index	ASTM D 2270	106
Pour Point, °C	ASTM D 97	-15
Flash Point, COC, °C	ASTM D 92	230
Copper Corrosion Test	ASTM D 130	1b
Specific Gravity 15.6 °C	ASTM D 1298	0.871
EP Wear Protection Timken EP, 1B (kg) Four ball	ASTM D 2782	30 (14)
Scar Diameter, mm	ASTM D 2266	0.34
Vane Pump Wear, mg	ASTM D 2882	6.7