

MAGNUM PETROLEUM LIMITED

Lube Oil Blending Plant (LOBP)
Rugponj, Narayangonj



PRODUCT DATA SHEET (PDS)



ENERGY TF UTTO SAE 10W-30 API GL-4

Universal Tractor Transmission Oil

Introduction

ENERGY TF UTTO is advanced off-road technology **Tractor Hydraulic Fluid (THF)** suitable applications in **Universal Tractor Transmission Oil (UTTO)** providing the final drive, hydraulic cylinder, wet brake, clutch/axles and transmission performance needed in today's farm-tractor and agricultural equipment.

Features & Benefits

- Very good friction stability to alleviate brake noise
- Superior load carrying and wear protection
- Premium pump wear protection in hydraulic cylinder
- Excellent oxidation and deposit control for improved cleanliness

Technical Performance Data

TEST PARAMETERS	TEST METHOD	UOM	SPECIFICATION		TYPICAL RESULTS
			MIN.	MAX.	-
Appearance	ASTM D 4176	-	B&C	-	B&C
Color	ASTM D 1500	-	Report	-	L 2.5
Density at 15 °C	ASTM D 4052	g/mL	Report	-	0.8644
Density at 30 °C	ASTM D 4052	g/mL	Report	-	0.8553
Kinematic Viscosity at 40°C	ASTM D 445	cSt	Report	-	69.8
Cold Cranking Viscosity (CCS) at -25°C	ASTM D 5293	mPa.s	-	7000	4010
Brookfield Viscosity at -20 °C	ASTM D 2983	mPa.s	-	150000	4380
Brookfield Viscosity at -30°C	ASTM D 2983	mPa.s	-	150000	15700
Flash Point (FP)	ASTM D 92	°C	210		240
Pour Point (PP)	ASTM D 5950	°C	-	-21	-42
Total Base Number (TBN)	ASTM D 2896	mg KOH/g	7.25	-	8.28
FTIR Scanning	ASTM E 2412	As Ref.	Matches	-	Matches

