

POWER-TRANS 10W, 30, 50

MULTI-FUNCTION OILS (MFO) (UTTO, CONSTRUCTION & OFF-HIGHWAY)

BULWARK POWER-TRANS oils are high-performance heavy-duty transmission oil formulated with highly refined paraffinic base oils to provide best in class performance and protection meeting or exceeding the TO-4 specifications. It optimizes the performance of gear boxes, power transmission and final drive while maximizing the protection in high-pressured hydraulic systems.

BULWARK POWER-TRANS oils are recommended for use on applications such as heavy-duty earth moving equipment deployed on off-highway and construction industry to improve wear protection, friction control, thermal and shear stability and corrosion protection.

PERFORMANCE LEVEL*

- API GL-4; Allison C-4; CAT TO-4, TO-2;
- Eaton M2950S, I-280-S; ZF TE-ML-03, 07D, 07F

KEY BENEFITS

- Excellent pumpability, oxidation stability provides good service life in high pressure service.
- Excellent protection against corrosion of both steel and yellow metals.
- Excellent oil film thickness and protection at varying operational temperatures.
- Special foam suppressant improves lubrication and minimizes wear by reducing foaming and aeration

TYPICAL CHARACTERISTICS**

Properties	Test Methods	10W	30	50
Specific Gravity @ 15 °C	ASTM D1298	0.871	0.885	0.898
Kinematic Viscosity @ 40 °C mm ² /s	ASTM D445	38	95.3	212.4
Kinematic Viscosity @ 100 °C mm ² /s	ASTM D445	6.272	10.49	18.61
Viscosity Index	ASTM D2270	113	98	97
Flash Point, COC, °C	ASTM D92	216	232	252
Pour Point °C	ASTM D97	-39	-18	-18
TBN mg KOH/g	ASTM D2896	8.1	8.1	8.1
Foaming Tendency/Foam Stability	ASTM D892			
At 24 °C ml		0/0	0/0	0/0
At 94 °C ml		10/0	10/0	10/0
At 24 °C ml (after test at 94 °C)		0/0	0/0	0/0
Color	ASTM D1500	L2.0	L3.0	L3.5

* Performance levels indicated may include licensed API specs or specs that our products meet or exceed

** Typical Characteristics are typical values. Minor variations within the permissible tolerance limits maybe expected on the final product.

STORAGE

All packages should be stored under cover. Where outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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