

POWER-TRANS MULTI

10W-30, 10W-40, 15W-40

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

BULWARK POWER-TRANS MULTI oils are high-performance heavy-duty transmission lubricants formulated with Semi-synthetic or hydro treated base oils to provide best in class performance and protection meeting or exceeding the major UTTO OEM specifications. It optimizes the performance and protection of gear boxes, power transmission, final drive and hydraulic systems.

BULWARK POWER-TRANS MULTI lubricants 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, John Deere J20C, J20D, Allison C-4, ZF TE-ML-03C
- Eaton M2950S, I-280-S; Ford M2C86B, M2C86C
- Ford M2C134D; JJ Case MS-1204, 1206, 1207, 1209; CNH MAT 3525, 3526
- Massey ferguson M1135, M1143, M1145
- Cat TO-2; JCMAS HK P -041

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	10W-40	15W-40
Specific Gravity @ 15 °C	ASTM D1298	0.867	0.872	0.879
Kinematic Viscosity @ 40 °C mm ² /s	ASTM D445	68.50	100.3	106.4
Kinematic Viscosity @ 100 °C mm ² /s	ASTM D445	10.48	14.08	14.30
Viscosity Index	ASTM D2270	140	143	137
Flash Point, COC, °C	ASTM D92	218	236	238
Pour Point °C	ASTM D97	-39	-39	-33
TBN mg KOH/g	ASTM D2896	8.3	8.3	8.3
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	L2.5	L3.0
CCS, m.Pa.S	ASTM D943	4600@-20°C	5100@-20°C	5890@-15°C

* 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 may be 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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