

HYDRAULIC AW 46

PREMIUM ANTI-WEAR HYDRAULIC OIL

BULWARK HYDRAULIC AW series is formulated with highly refined paraffinic base oils and provide excellent anti-wear protection, oxidation, corrosion inhibition and demulsibility, as well as aeration and foam suppression. In general, hydraulic systems due to the nature of their operation, experience accelerated wear and need to be protected by super clean, high quality anti-wear hydraulic oils.

BULWARK HYDRAULIC AW 46 is a high quality, anti-wear fluid available in ISO VG 46 and recommended for use on applications such as hydraulic systems with vane, piston or gear-type pumps, especially where typical pressure range at source exceeds 700psi. They can also be used to lubricate lightly loaded reciprocating compressors.

PERFORMANCE LEVEL

- DIN 51524-2
- ISO 11158 L-HM, HV
- ASTM D 6158 HM, HV
- Eaton-Vickers 35VQ25A for M-2950-S (Mobile) and I-286-S (Stationary),
- Parker Hannifin (Denison) HF-0, HF-1, HF-2.
- Cincinnati Machine P-68, P-69, P-70.
- AFNOR NF E 48-603 HM, HV

KEY BENEFITS

- All BULWARK hydraulic grades meet the requirements of leading hydraulic system manufacturers
- Excellent oxidation stability provides good service life in high pressure service.
- Excellent protection against corrosion of both copper and steel
- Minimum viscosity change over a wide temperature range.
- The special foam suppressant minimizes both foaming and aeration problems.

TYPICAL CHARACTERISTICS

Properties	Test Methods	46
Specific Gravity @ 15 °C	ASTM D4052	0.882
Kinematic Viscosity @ 40 °C cSt	ASTM D445	46.00
Viscosity Index	ASTM D2270	124
Flash Point, COC, °C	ASTM D92	228
Pour Point, °C	ASTM D97	-30
TAN mg KOH/g	ASTM D974	0.42
Foaming Tendency/Foam Stability	ASTM D892	
Seg I		0/0
Seg II		0/0
Seg III		0/0
Color	ASTM D1500	L1.5
Oxidation (TOST)	ASTM D943	>2500

PS: The above information is typical data and an indication based on current production. It does not constitute a specification.

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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