



Product Data Sheet

Dakota Hydraulic AW 32, 46, 68

Hydraulic Fluids

PRODUCT DESCRIPTION

The Dakota Hydraulic AW Series fluids are anti-wear hydraulic oils intended for industrial and mobile service applications where anti-wear lubricants are required. They are formulated to deliver performance in a range of hydraulic components used in systems subjected to moderate operating conditions.

FEATURES AND BENEFITS

The Dakota Hydraulic AW Series oils provide anti-wear protection reducing wear in pumps and actuators in open or closed-loop systems. Their good resistance to oxidation and thermal degradation helps reduce the formation of deposits and varnish.

The Dakota Hydraulic AW Series offers the following benefits:

- Good anti-wear protection helping improve component life
- Resistance to oxidation helping to reduce deposit formation
- Good water separation properties allow easy removal of water from systems helping reduce potential damage to system components

APPLICATIONS

- Fluid power systems
- Hydraulic systems using gear, vane and piston pumps
- Hydraulic pumps and components requiring anti-wear fluids

SPECIFICATIONS AND APPROVALS

Dakota Hydraulic AW Fluids are recommended for use in applications requiring:	32	46	68
Vickers M-2950-S	X	X	X
Vickers I-286-S	X	X	X



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TYPICAL PROPERTIES

Dakota Hydraulic AW	32	46	68
ISO Viscosity Grade	32	46	68
Viscosity			
cSt @ 40°C	31.0	44.5	65.0
cSt @ 100°C	5.4	6.7	8.5
Viscosity Index, ASTM D 2270	95	95	95
Pour point, ASTM D 97°C	-18	-18	-12
Flash Point, ASTM D 92°C(°F)	206 (403)	216 (421)	222 (432)
Demulsibility, ASTM D 1401	40/40/0 (15)	40/40/0 (15)	41/39/0 (20)
IP281	Pass	Pass	Pass
TOST, ASTM D943	2000+	2000+	2000+

HEALTH AND SAFETY INFORMATION

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet.