



HICKS oils
845 N. Hickory
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F O R M U L A



ANTI-WEAR HYDRAULIC OILS

FORMULA 500® Anti-Wear (AW) Hydraulic Oils are superior anti-wear hydraulic and circulating fluids specially formulated with high quality base stocks and improved thermally stable zinc additives. These oils offer outstanding resistance to sludge formation, are chemically stable, and exhibit excellent anti-wear properties. FORMULA 500® AW Hydraulic Oils also contain anti-foam agents to limit air entrainment in hydraulic systems, and demulsifiers to separate water from the oil in the sump.

FORMULA 500® AW Hydraulic Oils are recommended for service in vane, piston, and gear pumps when used according to the manufacturers' recommendations. The oils provide maximum service life to these pumps as well as other system components.

FORMULA 500® AW Hydraulic Oils meet the following specifications:

- Denison HF-0, 1, and 2
- Vickers M-2950-S, I-286-S
- Cincinnati Milacron P-68, 69, 70
- US Steel 126, 127, and 136
- DIN 51524, Parts 2 and 3

Typical Properties:

Product: FORMULA 500® Anti-Wear Hydraulic Oils						
ISO Viscosity	22	32	46	68	100	150
Product Code	1211	1212	1213	1214	1215	1216
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	4.30	5.40	6.80	8.70	11.40	15.00
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	22.00	32.00	46.00	68.00	100.00	150.00
Viscosity Index (ASTM D-2270)	100	100	100	100	100	100
Turbine Oxidation (ASTM D-943)	5000	5000	5000	5000	5000	5000
RPVOT, min (ASTM D-2272)	300	300	300	300	200	200
Emulsion Separation, min (ASTM D-1401)	10	10	15	15	15*	15*
Pour Point, °C (ASTM D-97)	-24	-37	-20	-25	-12	-12
Flash Point, °F (ASTM D-92)	(no data)	435	446	470	(no data)	(no data)