



HICKS oils
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ANTI-WEAR HYDRAULIC OILS

Nature's Choice® 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. Nature's Choice® 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.

Nature's Choice® 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.

The Nature's Choice® product line was developed in response to President Clinton's Executive Order 13101 which mandated the use of motor oils with re-refined content for government use. Since that time, the Nature's Choice® product line has grown from motor oils to include many other types of lubrication. Blending virgin and re-refined base stocks with quality additive chemistry, Nature's Choice® brand products are able to meet the top performance grades required for today's lubrication requirements, while being more environmentally friendly.

Nature's Choice® AW Hydraulic fluids meet the following specifications:

- Denison HF-0, 1, and 2
- Eaton Vickers M-2950-S, I-286-S, E-FDGN-TB002-E
- Fives Cincinnati P-68, 69, 70
- ISO 11158, 6743/4
- US Steel 126, 127, and 136
- DIN 51524 Part 2
- BoschRexroth RDE 90235 (ISO 32)
- German Steel Industry SEB 181222
- VDMA 24318

Typical Properties:

Product: Nature's Choice® Anti-Wear Hydraulic Oils						
ISO Viscosity	22	32	46	68	100	150
Product Code	101211	101212	101213	101214	101215	101216
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
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	-14	-12	-12
Flash Point, °F (ASTM D-92)	(no data)	435	446	470	(no data)	(no data)