CITGO[®] HyDurance[®] AW Super NZ Fluids



| OVERVIEW | • High-efficiency hydraulic fluids for use over a wide temperature use range. | | |
|------------------------|---|--|--|
| | • Formulated with premium base stocks and ashless additives to provide long fluid life and outstanding protection for demanding mobile equipment hydraulic systems. | | |
| | • Formulated with premium Zinc-free additive system. Zinc compounds are regulated as priority pollutants under provisions of the Clean Water Act and SARA Title 313. | | |
| FEATURES & BENEFITS | Helps increase pump efficiency for improved productivity. Zinc-free and low acute aquatic toxicity (as shown by LC-50 test), for less environmental impact. | | |
| | Multi-grade performance for use over a wide temperature range. | | |
| | • Excellent shear stability and thermal stability for extended fluid service life capability. | | |
| | Separates readily from water to allow draining of water from systems. | | |
| | • Premium protection against rust and corrosion for harsh environments. | | |
| | Excellent foam control for dependable performance. | | |
| | • Provides outstanding anti-wear protection to pumps, motors, and other hydraulic circuit components. | | |
| | • Recommended for use in Hitachi excavators with 4,000 hour service intervals*. | | |
| APPLICATIONS | Designed for increased hydraulic efficiency and excellent service life in vane, piston, and gear pumps, when used in accordance with equipment manufacturer recommendations. | | |
| | Highly recommended for high-pressure mobile equipment hydraulic systems operating in wide temperature range applications such as mining, construction, and logging. | | |
| ိုးလို | Recommended for equipment requiring the following specifications: GM LS-02 Eaton E-EDGN-TB002-E DIN 51524 PART 3 U.S. Steel 127, 136, 126 Cincinnati Machine P-68, P-69, P-70 Parker Denison HF-0 Hitachi Excavators* | | |
| | *Applicable to CITGO HyDurance AW Super NZ Fluid only | | |

Product Answer Line 1-800-248-4684 lubeshelp@CITGO.com

Online at www.CITGOLubes.com

CITGO LUBRICANTS

PROPERTIES

Typical Properties for CITGO HyDurance AW Super NZ Fluids

| | Super NZ 32 | Super NZ |
|--|-------------|-----------|
| Material Code | 633619001 | 633618001 |
| Gravity, ASTM D4052, °API | 33.4 | 31.5 |
| Density, lb/gal | 7.15 | 7.23 |
| Flash Point, PM, ASTM D93, °F (°C) | 410 (210) | 385 (196) |
| Viscosity, ASTM D445 | | |
| cSt at 40°C | 32.1 | 53.0 |
| cSt at 100°C | 6.6 | 9.9 |
| Viscosity Index, ASTM D2270 | 170 | 177 |
| Brookfield Viscosity, ASTM D2983 | | |
| cP at -20°C | 1116 | |
| cP at -30°C | 3,450 | 7,998 |
| cP at -40°C | 16,890 | 36,392 |
| Pour Point, ASTM D97, °F (°C) | -54 (-48) | -49 (-45) |
| Color | Blue | Blue |
| Copper Corrosion, ASTM D130 | 1A | 1A |
| Rust Test, ASTM D665, A and B | Pass | Pass |
| Four Ball Wear, ASTM D4172, at 40 kg, mm | 0.54 | 0.50 |
| Foam Test, ASTM D892, Sequence I, II, III | Pass | Pass |
| Water Separability at 54°C, ASTM D1401 | 40-40-0 | 40-40-0 |
| Acute aquatic toxicity (LC-50) per OECD TG 203 | Pass | Pass |

Notes: Contamination with other fluids can affect environmental benefits and system performance. Contamination with zinc containing and/or emulsifiable fluids may cause foaming, premature filter saturation, and a decrease in water separability Refer to equipment owner's manual for proper lubricant selection.

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Manufactured in USA

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