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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