



WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

Aroa

Store 2 - Beaver [RO#151762]

SUPERIOR BROOM DT74J 823696

Hydraulic System

CONOCO MEGAFLOW AW 46 (27 GAL)

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Sample Date Client Into Client Int	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age birs Client Info 631	·	•		Client Info		LEC0051110		
Oil Age hrs Client Into S31				Client Info		12 Jun 2024		
Filter Age hrs Client Info Soft Not Change Filter Changed Client Info Not Change Sample Status Sample Stat		Machine Age	hrs	Client Info				
Colorange Client Info Not Change Client		Oil Age	hrs	Client Info				
Filter Changed Client Into Not Changed ABNORMAL Not Changed			hrs	Client Info				
Name								
PQ		_		Client Info		_		
Iron		Sample Status				ABNORMAL		
Iron	WEAD	DO.		ACTM DO104		10		
Chromium ppm ASTM D5185m >10 <1	WEAR		nnm		> 20			
Nickel ppm ASTM DSISEs > 0	All component wear rates are normal.							
Titanium ppm			• • •					
Silver ppm ASTM D5185m 0 2					>10			
Aluminum ppm ASTM D5185m 10 2								
Lead					>10			
Copper ppm ASTM D5185m >75								
Tin								
Vanadium								
White Metal Yellow Metal Yell								
Vellow Metal Scalar Visual NONE N					NONE	NONE		
Potassium ppm ASTM D5185m 2-0 -1 Water WC Method -0.1 NEG Particles >4µm ASTM D7647 5000 A13010 Particles >6µm ASTM D7647 5000 A13010 Particles >6µm ASTM D7647 5100 ASTM D7647 ASTM D		Yellow Metal	scalar	*Visual	NONE			
Potassium ppm ASTM D5185m 2-0 -1 Water WC Method -0.1 NEG Particles >4µm ASTM D7647 5000 A13010 Particles >6µm ASTM D7647 5000 A13010 Particles >6µm ASTM D7647 5100 ASTM D7647 ASTM D								
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Water WC Method >0.1 ASTM D7647 >5000 A 13010 Particles >6μm ASTM D7647 >100 1514 Particles >3μm ASTM D7647 >100 177 Particles >3μm ASTM D7647 >100 0 Particles >71μm ASTM D7647	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	2		
Particles >4µm	There is a read-out a record of all (a satisfactor of A satisfactor)	Potassium	ppm	ASTM D5185m	>20	<1		
Particles S4µm								
Particles >21 µm								
Particles > 21 µm								
Particles >38μm ASTM D7647 >10 0 Particles >71μm ASTM D7647 >3 0 Particles >71μm ASTM D7647 >3 0 SO 4406 (c) >1917/14 ≥1/18/11 Silt Scalar *Visual NONE NONE NONE Debris Scalar *Visual NONE NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE NONE NONE Appearance Scalar *Visual NORML NORML NORML NORML NORML Appearance Scalar *Visual NORML NORML NORML NORML NORML Emulsified Water Scalar *Visual NORML NORML NORML NORML NORML Emulsified Water Scalar *Visual NORML NOR								
Particles > 71 µm								
Oil Cleanliness Sit								
Silt scalar *Visual NONE NORML								
Debris Scalar *Visual NONE NORML								
Sand/Dirt Scalar *Visual NONE NONE Appearance Scalar *Visual NORML NORML NORML NORML Codor Scalar *Visual NORML NORML NORML NORML Emulsified Water Scalar *Visual NORML NORML NORML NORML Emulsified Water Scalar *Visual >0.1 NEG The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels. Sodium ppm ASTM D5185m <1 Barium ppm ASTM D5185m 0 Manganese ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Manganese ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 69 Calcium ppm ASTM D5185m 44 Calcium ppm ASTM D5185m 448 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29								
Appearance Scalar *Visual NORML NORM								
Codor Scalar Visual NORML NO								
Emulsified Water scalar *Visual > 0.1 NEG FLUID CONDITION								
Sodium ppm ASTM D5185m <1 Barium ppm ASTM D5185m <1 Molybdenum ppm ASTM D5185m <1 Manganese ppm ASTM D5185m <1 Calcium ppm ASTM D5185m 4 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 448 Acid Number (AN) mg KOHg ASTM D8045 0.38 0.29								
Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOHg ASTM D8045 0.38 0.29								
Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOHg ASTM D8045 0.38 0.29	FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
provided that the contaminant(s) can be reduced to acceptable levels. Molybdenum ppm ASTM D5185m 1 Manganese ppm ASTM D5185m 4 Magnesium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOHg ASTM D8045 0.38 0.29		Boron	ppm	ASTM D5185m		<1		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29	· ·	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 4 Calcium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29		Molybdenum	ppm	ASTM D5185m		1		
Calcium ppm ASTM D5185m 69 Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29			ppm					
Phosphorus ppm ASTM D5185m 350 Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29		-	ppm					
Zinc ppm ASTM D5185m 448 Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29			ppm					
Sulfur ppm ASTM D5185m 1001 Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29		•	ppm					
Acid Number (AN) mg KOH/g ASTM D8045 0.38 0.29								
Visc @ 40°C cSt ASTM D445 46 44.8								
		Visc @ 40°C	cSt	ASTM D445	46	44.8		





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06211521 Unique Number: 11084385

: LEC0051110

Received : 17 Jun 2024 **Tested** Diagnosed

: 18 Jun 2024 : 18 Jun 2024 - Wes Davis

105 TENNIS CENTER DR. MARIETTA, OH US 45750-9765 Contact: LEANNE KENDALL

LESLIE EQUIPMENT COMPANY

KendalLeanne@lec1.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Test Package : CONST (Additional Tests: PQ)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: STORE 2 - BEAVER - CASEY TONEY