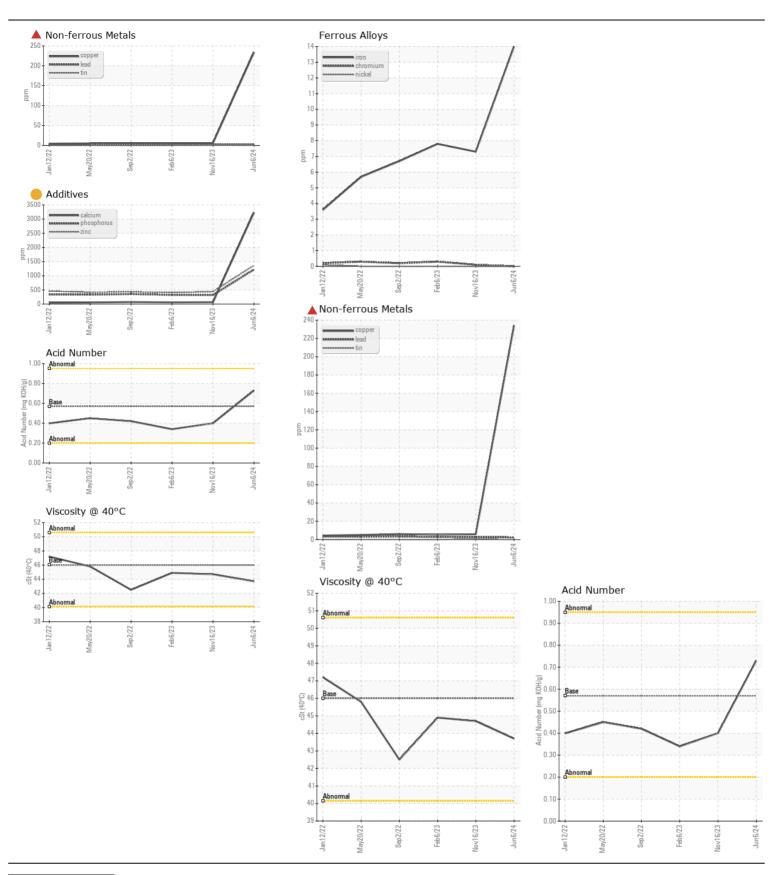
WEAR CONTAMINATION **FLUID CONDITION**

SEVERE ABNORMAL ATTENTION

Machine Id

002346
Component
Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Number		Client Info		WC0856161	WC0824001	WC0757968
	Sample Date		Client Info		06 Jun 2024	16 Nov 2023	06 Feb 202
	Machine Age	hrs	Client Info		4081	3385	2488
	Oil Age	hrs	Client Info		1500	897	2488
	Filter Age	hrs	Client Info		696	897	631
	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				SEVERE	ABNORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>20	14	7	8
The copper level is severe.	Chromium	ppm	ASTM D5185m	>10	0	<1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		<1	1	2
	Lead	ppm	ASTM D5185m		2	3	3
	Copper	ppm	ASTM D5185m		234	6	5
	Tin	ppm	ASTM D5185m	>10	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal Yellow Metal	scalar scalar	*Visual	NONE	NONE NONE	NONE NONE	NONE
			Visuai	NONE	·····	INOINE	INOINE
CONTAMINATION	Silicon	ppm			13	5	5
There is a moderate amount of visible silt present in the sample.	Potassium	ppm	ASTM D5185m		3	<1	<1
	Water		WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647			19512	11022
	Particles >6µm		ASTM D7647			5988	▲ 48511 ▲ 5869
	Particles >14µm		ASTM D7647			▲ 394 ■ 74	▲ 5869 ▲ 2294
	Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647			74 3	▲ 58
	Particles >30µm		ASTM D7647			0	1
	Oil Cleanliness		ISO 4406 (c)			<u>^</u> 21/20/16	<u>4</u> 24/23/2
	Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.1	NEG	NEG	NEG
I LUD CONDITION	Codium	nnm	ACTM DE10Em			2	2
FLUID CONDITION	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	5	5 92	2	0
Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		3	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5105m	J	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	25	16	6	3
	Calcium	ppm	ASTM D5185m	200	3234	66	59
	Phosphorus	ppm	ASTM D5185m		1217	317	319
	Zinc	ppm	ASTM D5185m	370	1364	439	402
	Sulfur	ppm	ASTM D5185m		4392	1875	2070
						0.40	
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.73	0.40	0.34







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06231445 Unique Number : 11114938

: WC0856161 Test Package : CONST

Received : 09 Jul 2024 **Tested** : 15 Jul 2024 Diagnosed

: 15 Jul 2024 - Jonathan Hester

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.

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

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