



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>SEVERE</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**3830300**  
Component  
**Hydraulic System**  
Fluid  
**Hydraulic System Oil (--- GAL)**

## RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend you service the filters on this component. 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.

## WEAR

All component wear rates are normal.

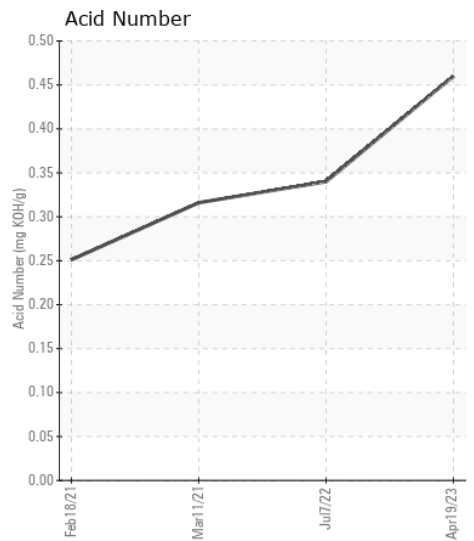
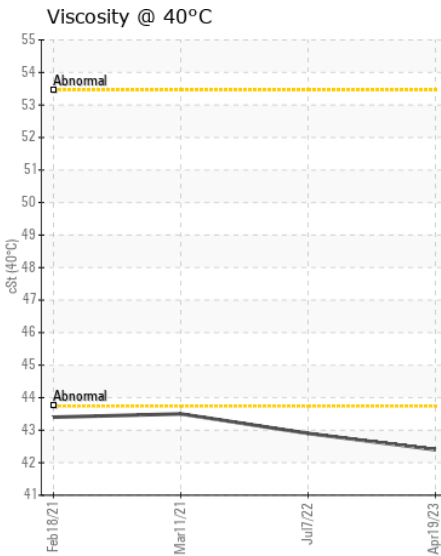
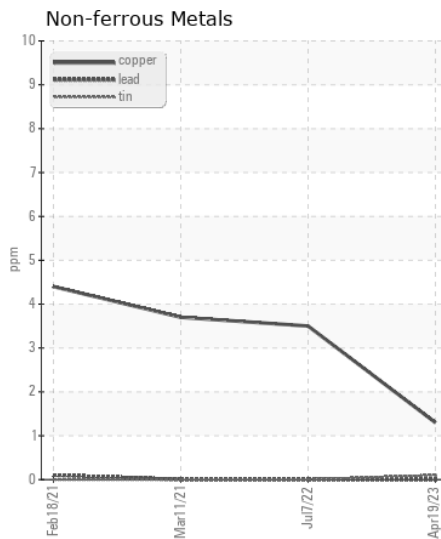
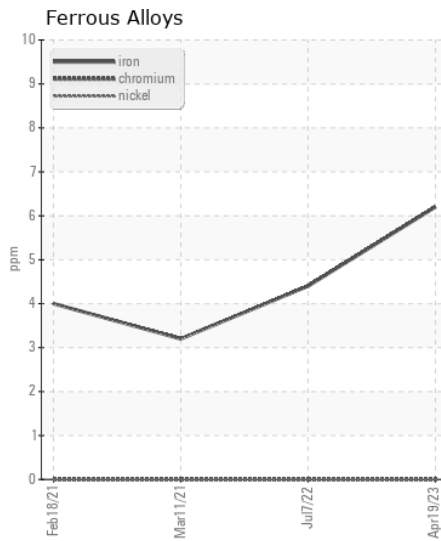
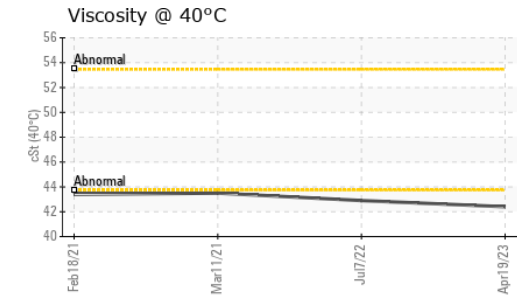
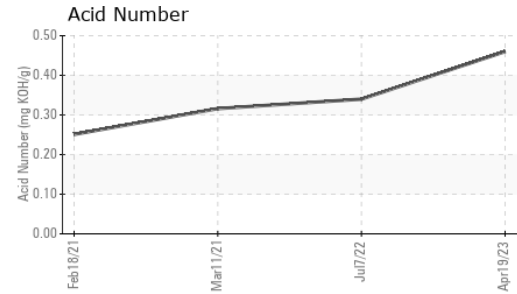
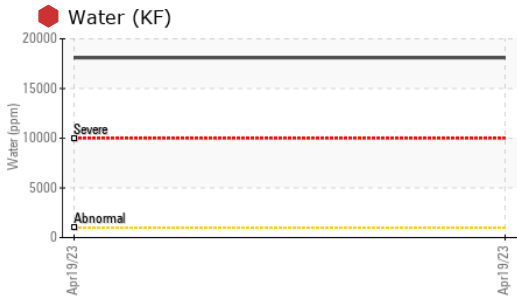
## CONTAMINATION

Appearance is milky. Moderate concentration of visible dirt/debris present in the oil. There is a high concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0688044</b>	WC0585387	WC0531553
Sample Date		Client Info		<b>19 Apr 2023</b>	07 Jul 2022	11 Mar 2021
Machine Age	hrs	Client Info		<b>5124</b>	3982	2879
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	NORMAL	ABNORMAL
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Iron	ppm	ASTM D5185m	>20	<b>6</b>	4	3
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>1</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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Silicon	ppm	ASTM D5185m	>20	<b>6</b>	1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
Water	%	ASTM D6304	>0.1	<b>1.81</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>18100</b>	---	---
Particles >4µm		ASTM D7647	>5000	---	2825	▲ 11541
Particles >6µm		ASTM D7647	>1300	---	396	▲ 1516
Particles >14µm		ASTM D7647	>160	---	28	70
Particles >21µm		ASTM D7647	>40	---	6	20
Particles >38µm		ASTM D7647	>10	---	0	0
Particles >71µm		ASTM D7647	>3	---	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	---	19/16/12	▲ 21/18/13
Silt	scalar	*Visual	NONE	▲ <b>MODER</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	▲ <b>MILKY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	◆ <b>0.2%</b>	NEG	NEG
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Sodium	ppm	ASTM D5185m		<b>1</b>	2	<1
Boron	ppm	ASTM D5185m		<b>1</b>	5	<1
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>9</b>	4	1
Calcium	ppm	ASTM D5185m		<b>93</b>	127	35
Phosphorus	ppm	ASTM D5185m		<b>371</b>	272	237
Zinc	ppm	ASTM D5185m		<b>407</b>	296	235
Sulfur	ppm	ASTM D5185m		<b>1216</b>	1264	625
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.46</b>	0.34	0.316
Visc @ 40°C	cSt	ASTM D445		<b>42.4</b>	42.9	43.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0688044 **Received** : 21 Apr 2023  
**Lab Number** : 05826909 **Diagnosed** : 25 Apr 2023  
**Unique Number** : 10440402 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF )

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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