



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

Machine Id  
**FIBER BAILER BL134063**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 46 (--- GAL)**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206171</b>	JR0188557	JR0188558
Sample Date		Client Info		<b>07 May 2024</b>	06 Apr 2024	08 Mar 2024
Machine Age	hrs	Client Info		<b>30040</b>	29773	29533
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>	N/A	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>ABNORMAL</b>	SEVERE	SEVERE

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>19</b>	19	20
Iron	ppm	ASTM D5185m	>20	<b>4</b>	4	0
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	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>	1	0
Copper	ppm	ASTM D5185m	>75	<b>3</b>	1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

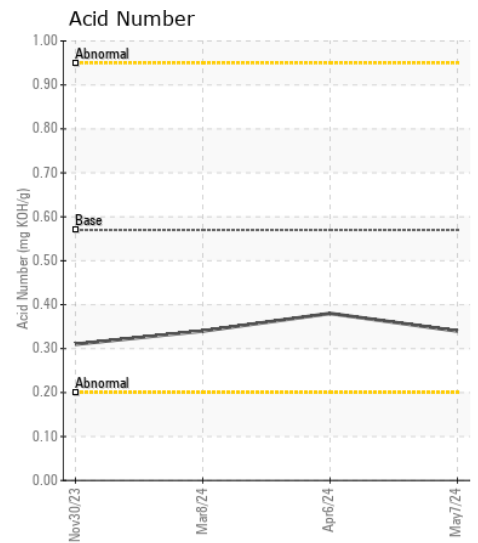
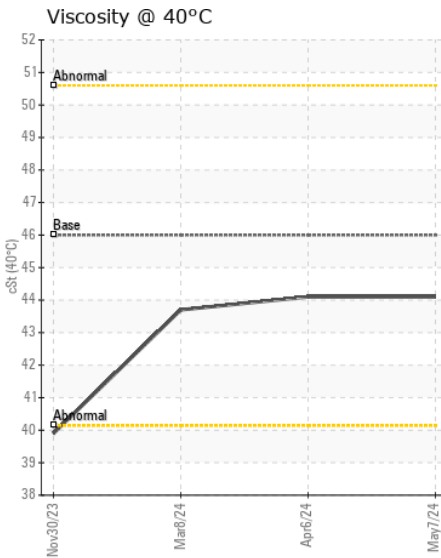
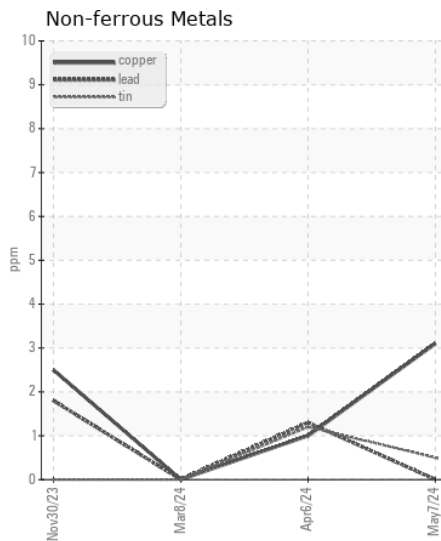
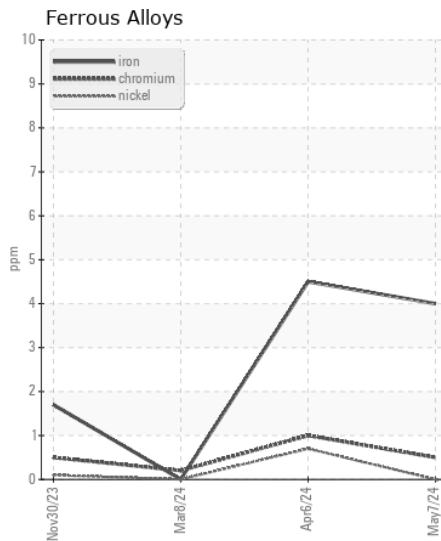
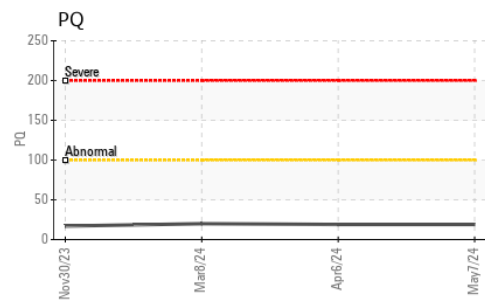
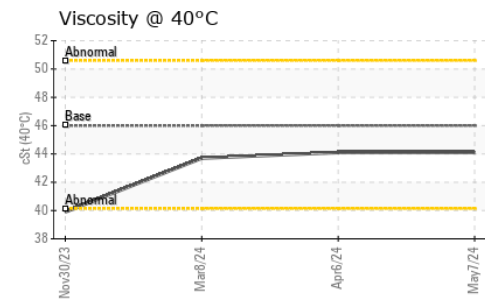
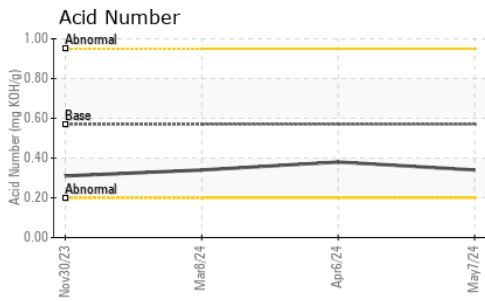
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>---</b>	▲ 52230	▲ 80468
Particles >6µm		ASTM D7647	>1300	<b>---</b>	▲ 9305	▲ 24506
Particles >14µm		ASTM D7647	>160	<b>---</b>	● 283	▲ 1749
Particles >21µm		ASTM D7647	>40	<b>---</b>	● 63	▲ 429
Particles >38µm		ASTM D7647	>10	<b>---</b>	3	14
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>---</b>	▲ 23/20/15	▲ 24/22/18
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>1</b>	0	0
Boron	ppm	ASTM D5185m	5	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>0</b>	1	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	0
Magnesium	ppm	ASTM D5185m	25	<b>&lt;1</b>	2	0
Calcium	ppm	ASTM D5185m	200	<b>42</b>	54	36
Phosphorus	ppm	ASTM D5185m	300	<b>345</b>	368	341
Zinc	ppm	ASTM D5185m	370	<b>427</b>	411	433
Sulfur	ppm	ASTM D5185m	2500	<b>998</b>	971	960
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.34</b>	0.38	0.34
Visc @ 40°C	cSt	ASTM D445	46	<b>44.1</b>	44.1	43.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206171 **Received** : 13 May 2024  
**Lab Number** : 06177030 **Tested** : 17 May 2024  
**Unique Number** : 11023083 **Diagnosed** : 17 May 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

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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