



Area  
**[W65761]**

Machine Id  
**SY036MCA00778**

Component  
**Hydraulic System**

Fluid  
**Hydraulic System Oil (50 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W65761 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206072</b>	JR0178446	---
Sample Date		Client Info		<b>04 Apr 2024</b>	31 Aug 2023	---
Machine Age	hrs	Client Info		<b>4481</b>	3978	---
Oil Age	hrs	Client Info		<b>4481</b>	3978	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Changed	---
Sample Status				<b>ATTENTION</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>15</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>3</b>	0	---
Lead	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>8</b>	0	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

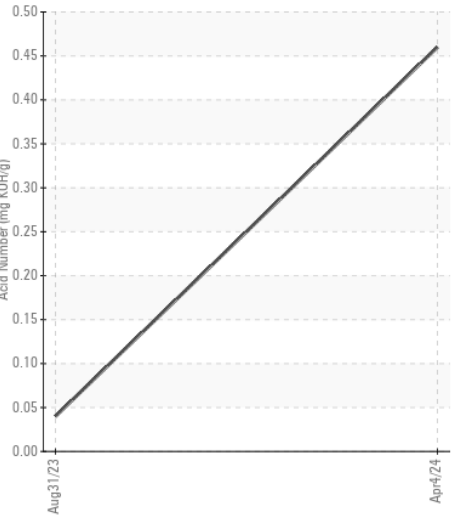
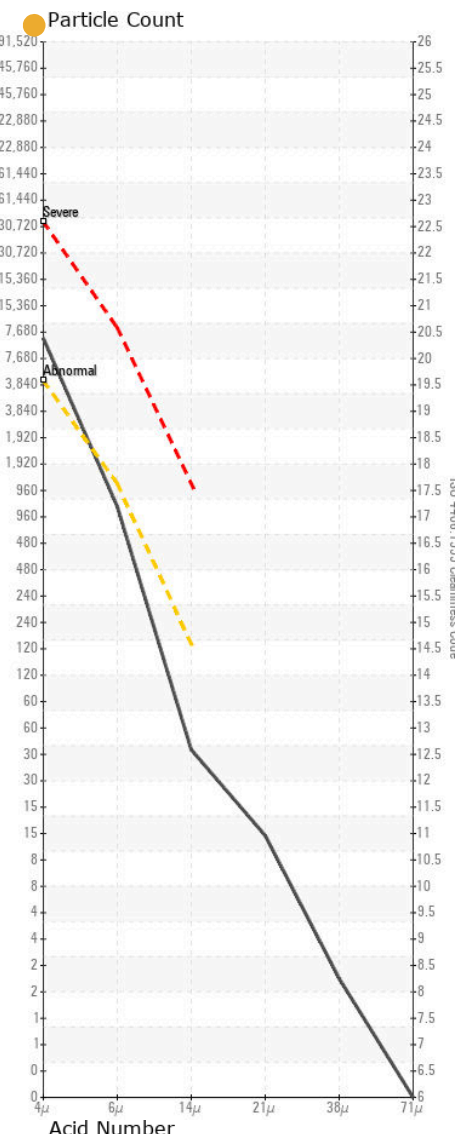
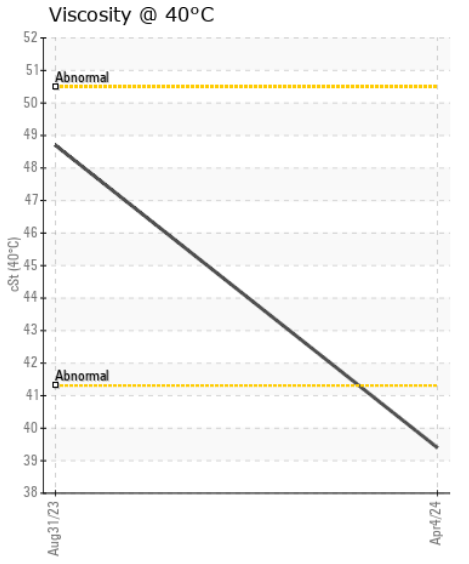
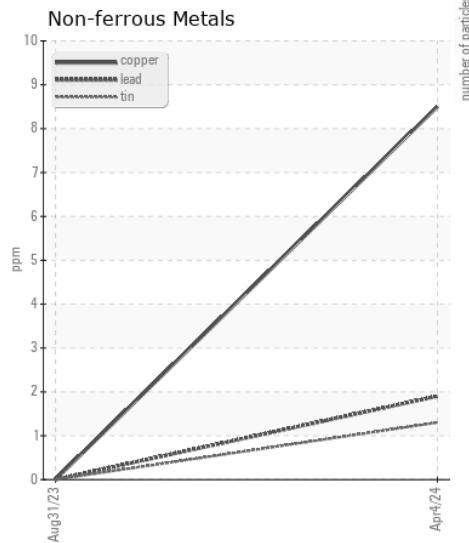
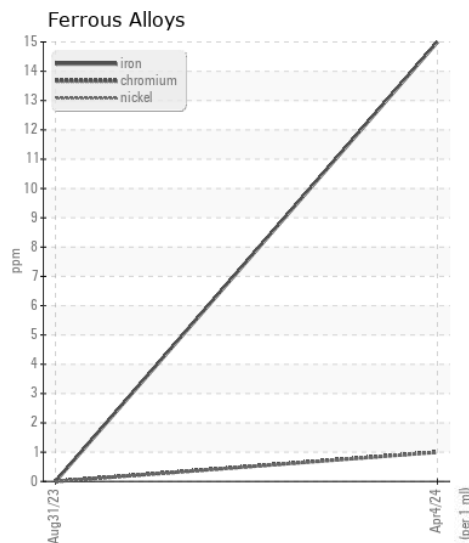
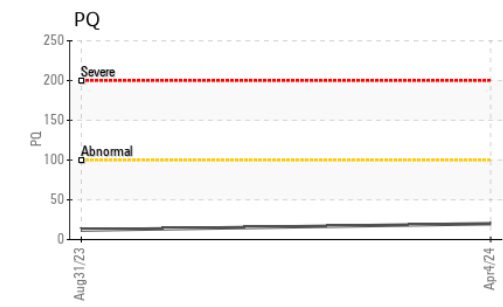
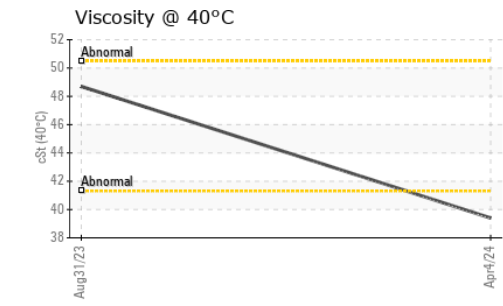
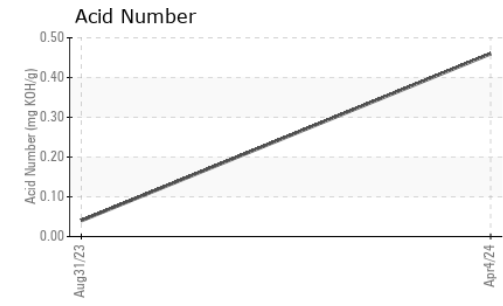
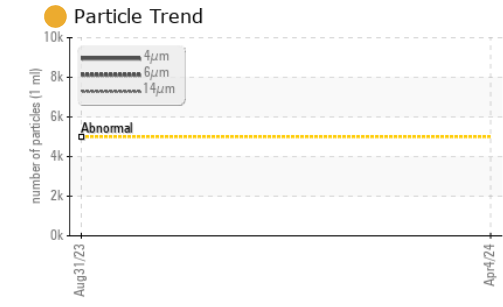
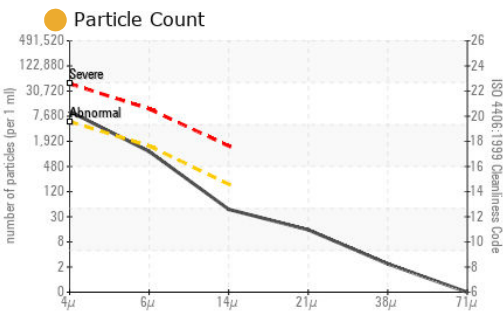
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>8721</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>964</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>40</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>13</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>2</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>20/17/12</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	---
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	6	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	7	---
Manganese	ppm	ASTM D5185m		<b>1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>9</b>	21	---
Calcium	ppm	ASTM D5185m		<b>270</b>	45	---
Phosphorus	ppm	ASTM D5185m		<b>597</b>	661	---
Zinc	ppm	ASTM D5185m		<b>650</b>	35	---
Sulfur	ppm	ASTM D5185m		<b>1800</b>	132	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.46</b>	0.04	---
Visc @ 40°C	cSt	ASTM D445		<b>39.4</b>	48.7	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206072 **Received** : 12 Apr 2024  
**Lab Number** : 06147227 **Tested** : 15 Apr 2024  
**Unique Number** : 10977305 **Diagnosed** : 16 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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Certificate L2367  
 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)