



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

Area  
**[W8459]**  
 Machine Id  
**HITACHI 160LC-6 1FFDBP70AMF240388**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (7 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W8459 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197167</b>	JR0149924	JR0123389
Sample Date		Client Info		<b>09 Feb 2024</b>	30 Oct 2022	13 Jun 2022
Machine Age	hrs	Client Info		<b>2015</b>	1467	1005
Oil Age	hrs	Client Info		<b>2015</b>	1467	557
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>219</b>	138	148
Iron	ppm	ASTM D5185m	>500	<b>120</b>	115	118
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	2	3
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

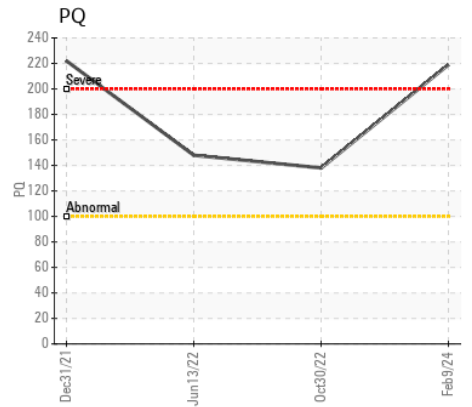
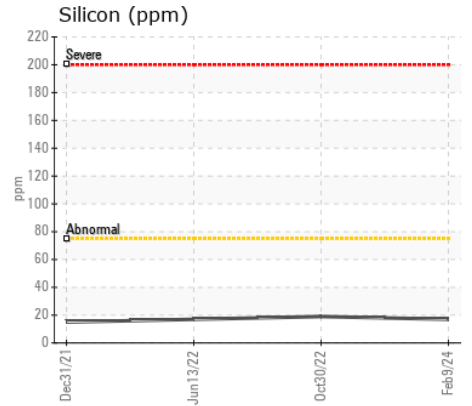
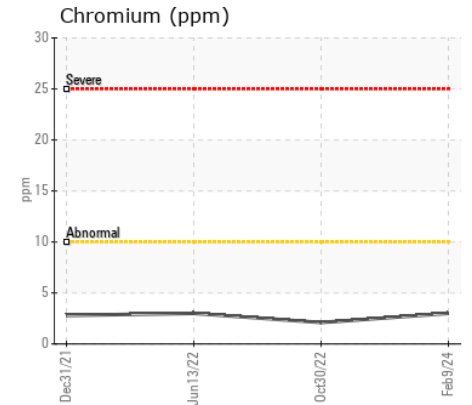
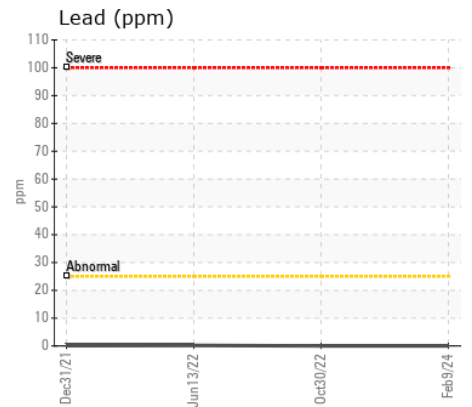
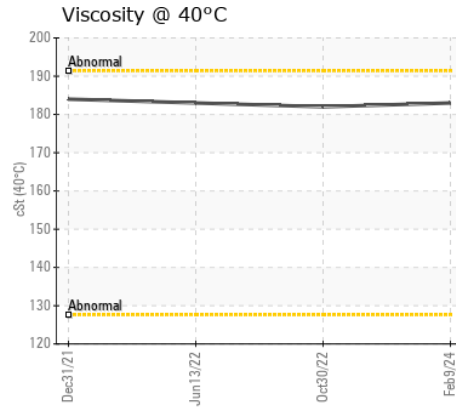
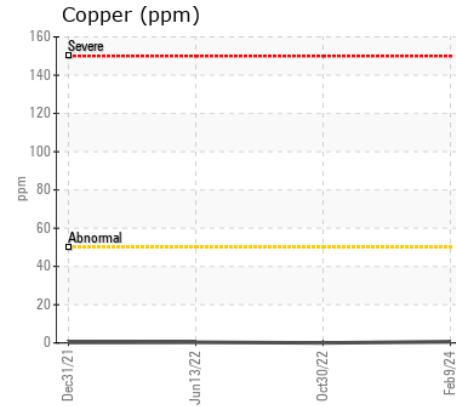
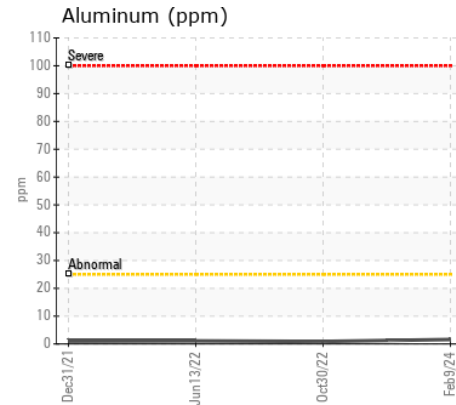
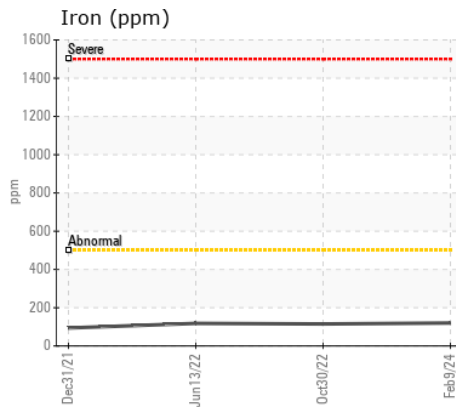
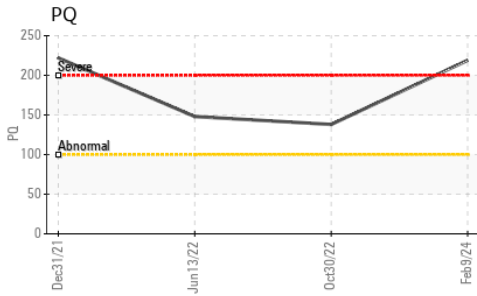
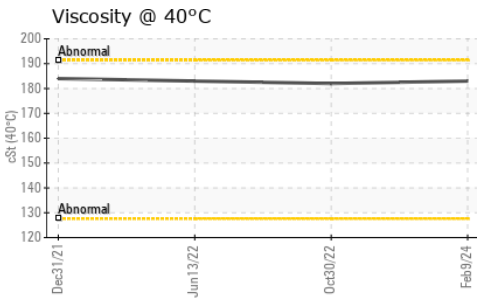
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>17</b>	19	17
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m		<b>59</b>	68	86
Barium	ppm	ASTM D5185m		<b>24</b>	0	4
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>9</b>	8	8
Magnesium	ppm	ASTM D5185m		<b>1</b>	0	2
Calcium	ppm	ASTM D5185m		<b>9</b>	0	46
Phosphorus	ppm	ASTM D5185m		<b>453</b>	463	459
Zinc	ppm	ASTM D5185m		<b>16</b>	17	28
Sulfur	ppm	ASTM D5185m		<b>10859</b>	17717	14266
Visc @ 40°C	cSt	ASTM D445		<b>183</b>	182	183



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0197167

**Lab Number** : 06087648

**Unique Number** : 10875093

**Test Package** : MOBCE ( Additional Tests: PQ )

**Received** : 13 Feb 2024

**Tested** : 14 Feb 2024

**Diagnosed** : 14 Feb 2024 - Don Baldrige

**JRE - HOPE MILLS/FAYETTEVILLE**

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: Justin Jackson

Justin.Jackson@jamesriverequipment.com

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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F: