



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

Area  
**[W67079]**  
 Machine Id  
**CASE TV370B JAFTV370PLM487166**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (1 GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. ( Customer Sample Comment: W67079 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215027</b>	JR0188571	JR0142438
Sample Date		Client Info		<b>28 May 2024</b>	02 Oct 2023	27 Sep 2022
Machine Age	hrs	Client Info		<b>2575</b>	2062	1432
Oil Age	hrs	Client Info		<b>513</b>	630	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>142</b>	126	162
Iron	ppm	ASTM D5185m	>500	<b>▲ 1016</b>	▲ 1592	▲ 802
Chromium	ppm	ASTM D5185m	>10	<b>▲ 12</b>	▲ 20	▲ 12
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	0
Titanium	ppm	ASTM D5185m		<b>2</b>	4	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>● 32</b>	● 45	▲ 29
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>50	<b>2</b>	4	7
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>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

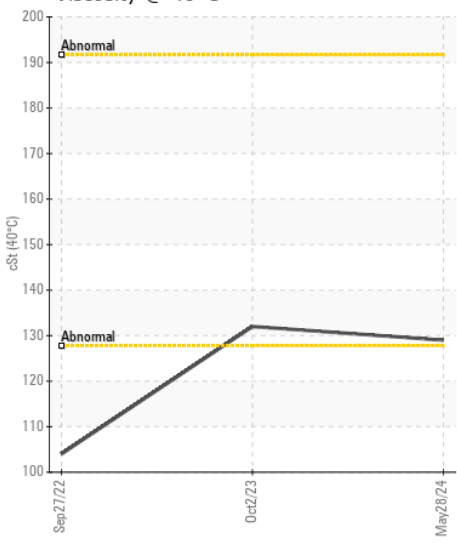
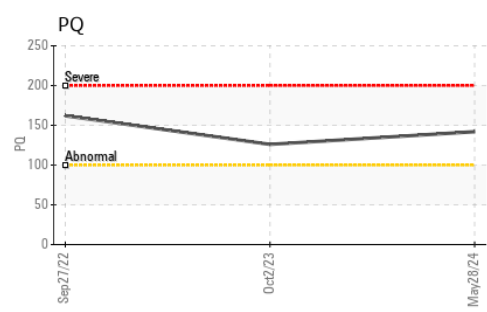
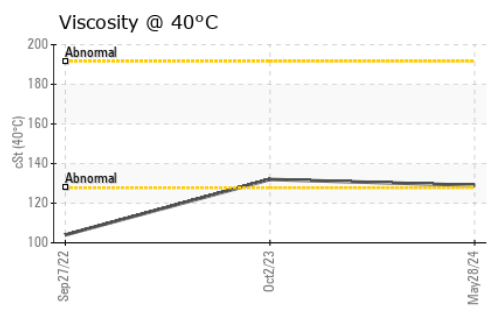
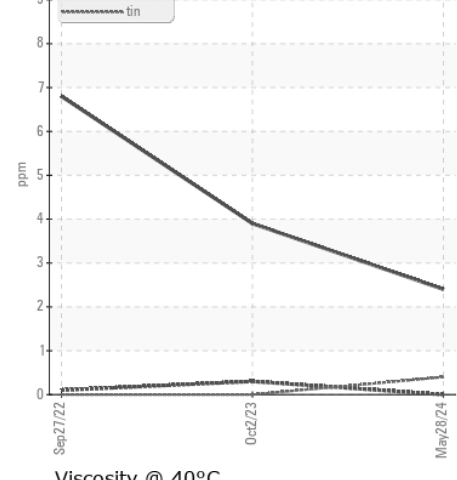
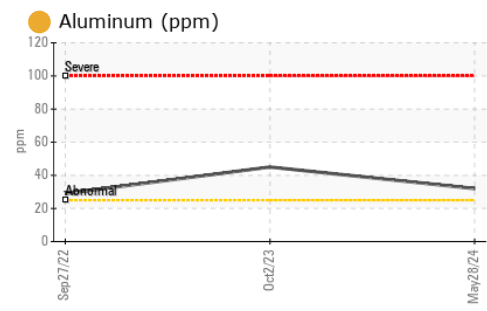
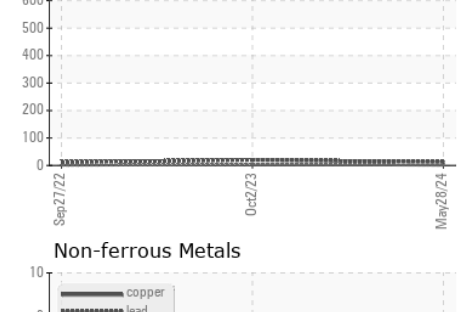
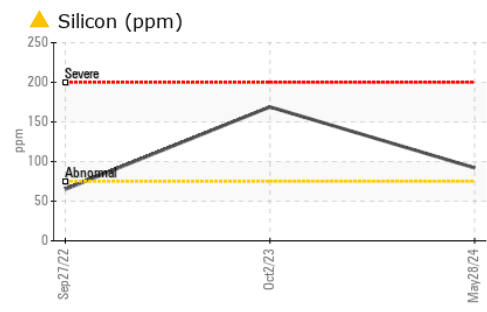
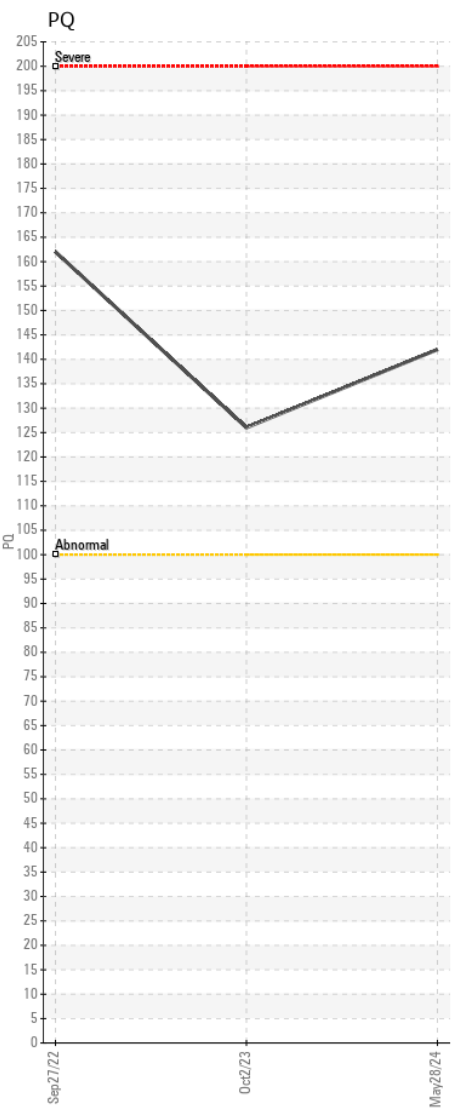
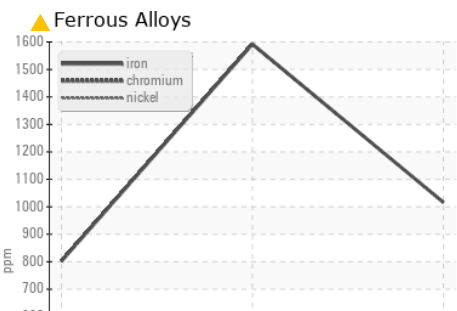
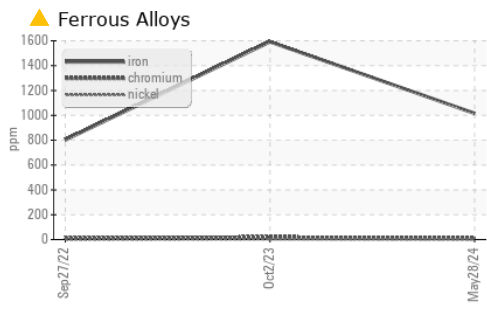
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 92</b>	▲ 169	65
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	14	9
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</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>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>2</b>	0	3
Boron	ppm	ASTM D5185m		<b>62</b>	146	163
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>8</b>	15	8
Magnesium	ppm	ASTM D5185m		<b>17</b>	38	178
Calcium	ppm	ASTM D5185m		<b>8</b>	18	88
Phosphorus	ppm	ASTM D5185m		<b>581</b>	1040	1065
Zinc	ppm	ASTM D5185m		<b>7</b>	21	62
Sulfur	ppm	ASTM D5185m		<b>21801</b>	20286	20752
Visc @ 40°C	cSt	ASTM D445		<b>129</b>	132	104



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215027 **Received** : 30 May 2024  
**Lab Number** : 06195681 **Tested** : 31 May 2024  
**Unique Number** : 11057804 **Diagnosed** : 03 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)