



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

Machine Id  
**JOHN DEERE 35G 1FF035GXEMK292799**  
 Component  
**Left Final Drive**  
 Fluid  
**GEAR OIL LS 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222120</b>	JR0187113	---
Sample Date		Client Info		<b>14 Jun 2024</b>	09 Oct 2023	---
Machine Age	hrs	Client Info		<b>1500</b>	1124	---
Oil Age	hrs	Client Info		<b>1500</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>73</b>	88	---
Iron	ppm	ASTM D5185m	>750	<b>160</b>	266	---
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	4	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>10</b>	3	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>2</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

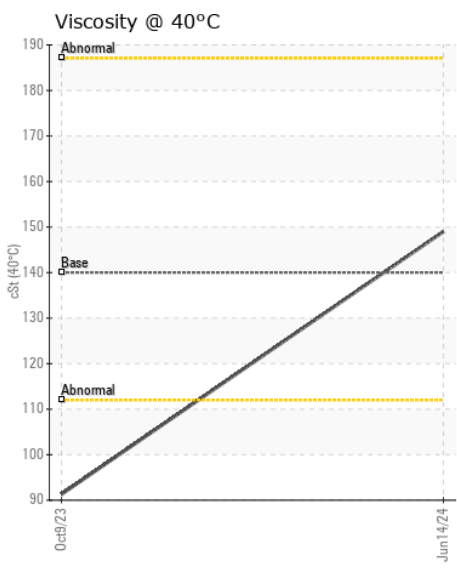
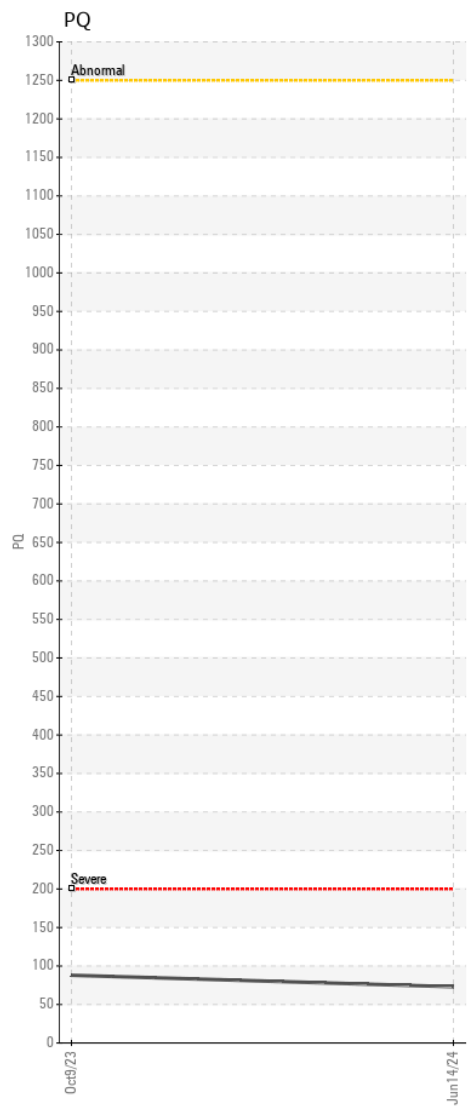
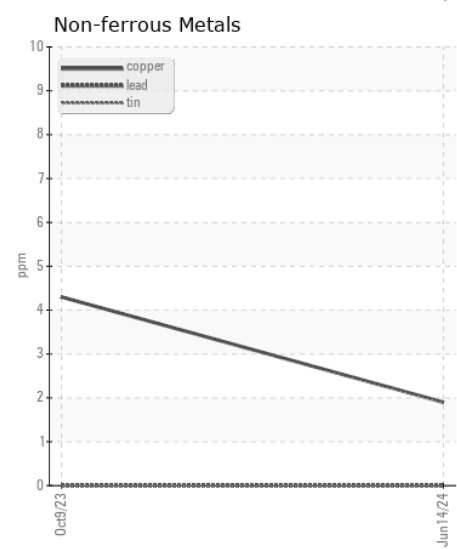
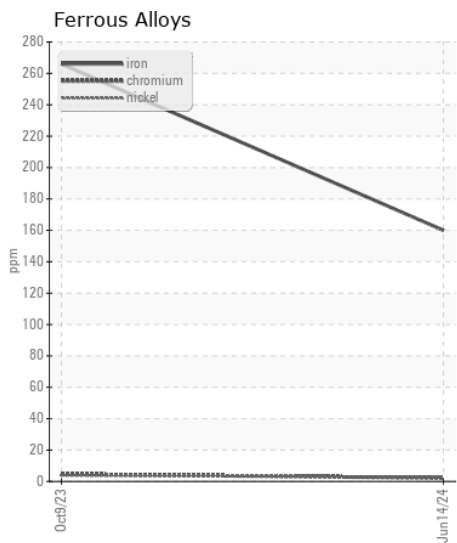
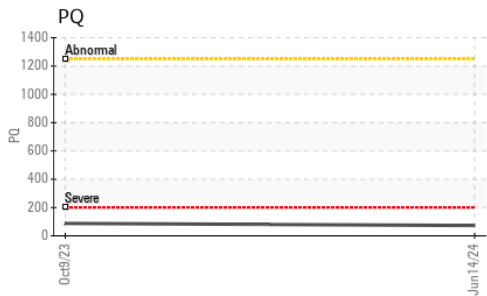
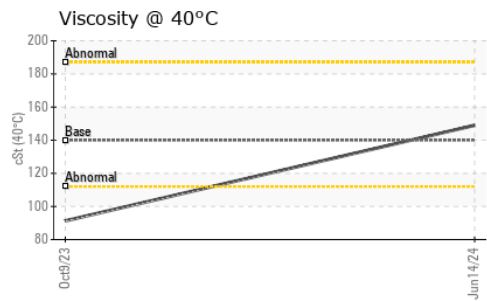
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>35</b>	34	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	7	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	<1	---
Boron	ppm	ASTM D5185m	150	<b>3</b>	20	---
Barium	ppm	ASTM D5185m		<b>1</b>	17	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	21	---
Manganese	ppm	ASTM D5185m		<b>2</b>	5	---
Magnesium	ppm	ASTM D5185m	10	<b>6</b>	9	---
Calcium	ppm	ASTM D5185m	70	<b>396</b>	4305	---
Phosphorus	ppm	ASTM D5185m	2000	<b>364</b>	663	---
Zinc	ppm	ASTM D5185m	50	<b>107</b>	883	---
Sulfur	ppm	ASTM D5185m	20000	<b>21997</b>	3962	---
Visc @ 40°C	cSt	ASTM D445	140	<b>149</b>	91.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222120 **Received** : 17 Jun 2024  
**Lab Number** : 06212028 **Tested** : 18 Jun 2024  
**Unique Number** : 11084892 **Diagnosed** : 18 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005  
 Contact: DAVID ZIEG  
 dzieg@jamesriverequipment.com  
 T: (804)798-6001  
 F: (804)798-0292

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)