



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

Machine Id  
**1FFDC571JMF340898**  
 Component  
**Left Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215732</b>	JR0189002	---
Sample Date		Client Info		<b>17 May 2024</b>	05 Nov 2023	---
Machine Age	hrs	Client Info		<b>3127</b>	2537	---
Oil Age	hrs	Client Info		<b>3127</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>305</b>	7	---
Iron	ppm	ASTM D5185m	>500	<b>575</b>	0	---
Chromium	ppm	ASTM D5185m	>10	<b>7</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>1</b>	<1	---
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

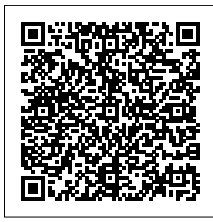
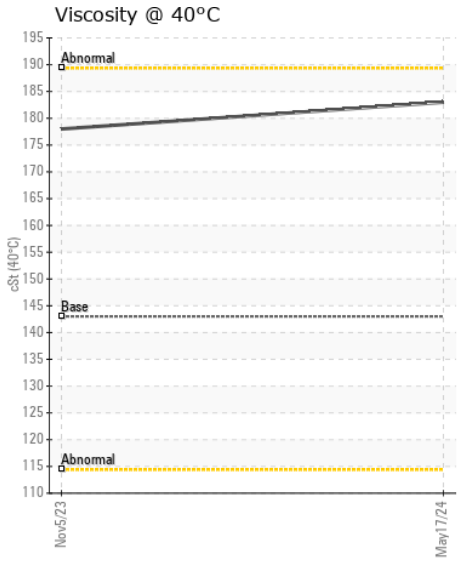
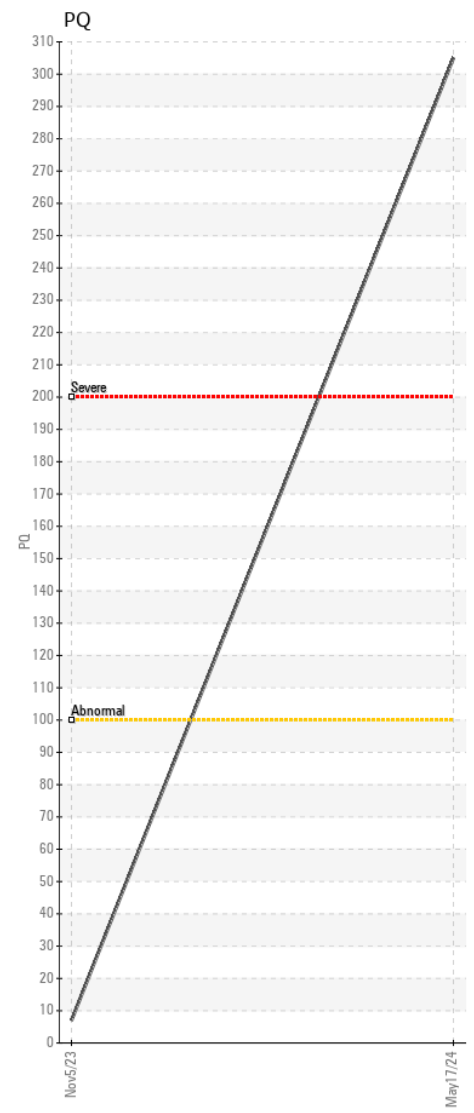
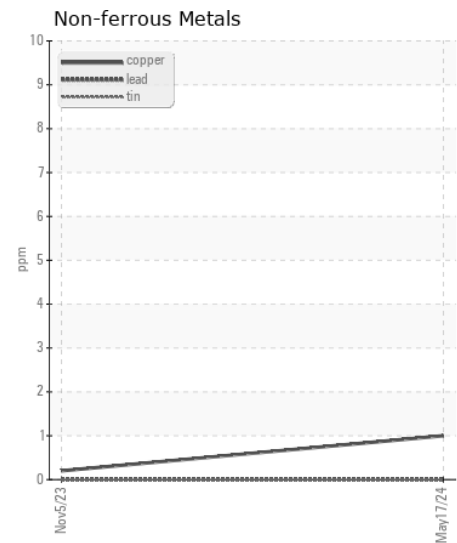
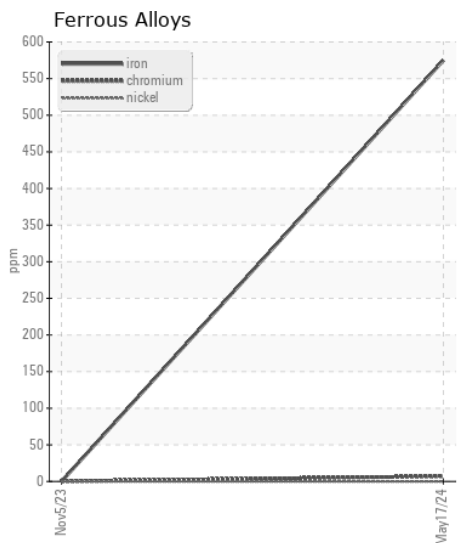
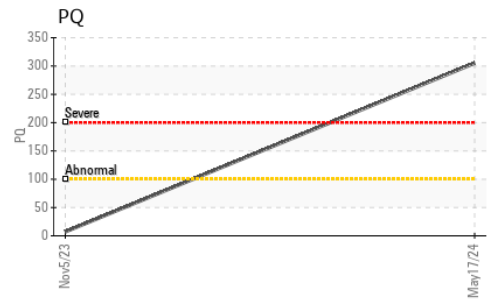
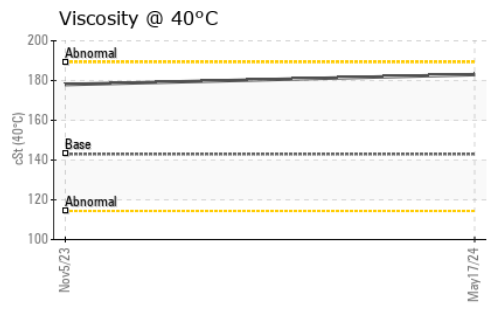
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>32</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	<b>&lt;1</b>	0	---
Boron	ppm	ASTM D5185m	400	<b>45</b>	0	---
Barium	ppm	ASTM D5185m	200	<b>8</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>9</b>	0	---
Magnesium	ppm	ASTM D5185m	12	<b>2</b>	<1	---
Calcium	ppm	ASTM D5185m	150	<b>87</b>	8	---
Phosphorus	ppm	ASTM D5185m	1650	<b>492</b>	908	---
Zinc	ppm	ASTM D5185m	125	<b>49</b>	<1	---
Sulfur	ppm	ASTM D5185m	22500	<b>16476</b>	21867	---
Visc @ 40°C	cSt	ASTM D445	143	<b>183</b>	178	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215732 **Received** : 21 May 2024  
**Lab Number** : 06186440 **Tested** : 22 May 2024  
**Unique Number** : 11043192 **Diagnosed** : 23 May 2024 - Sean Felton  
**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)