



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

Machine Id  
**1DW410PAEPFB06828**

Component  
**Front Differential**

Fluid  
**TDTO FLUID SAE 20 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203567</b>	JR0188915	---
Sample Date		Client Info		<b>08 Feb 2024</b>	12 Oct 2023	---
Machine Age	hrs	Client Info		<b>1037</b>	541	---
Oil Age	hrs	Client Info		<b>1037</b>	541	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>14</b>	21	---
Iron	ppm	ASTM D5185m	>500	<b>&lt;1</b>	30	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	12	---
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	18	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	2	---
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

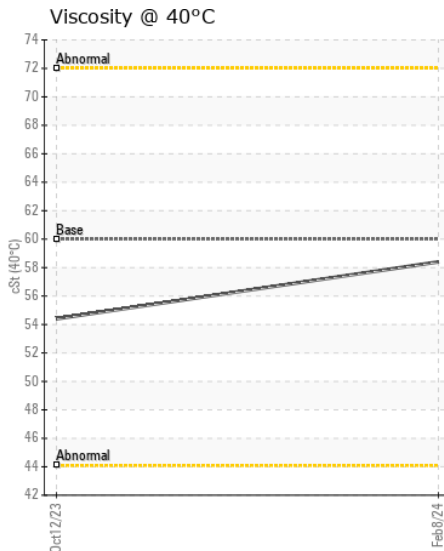
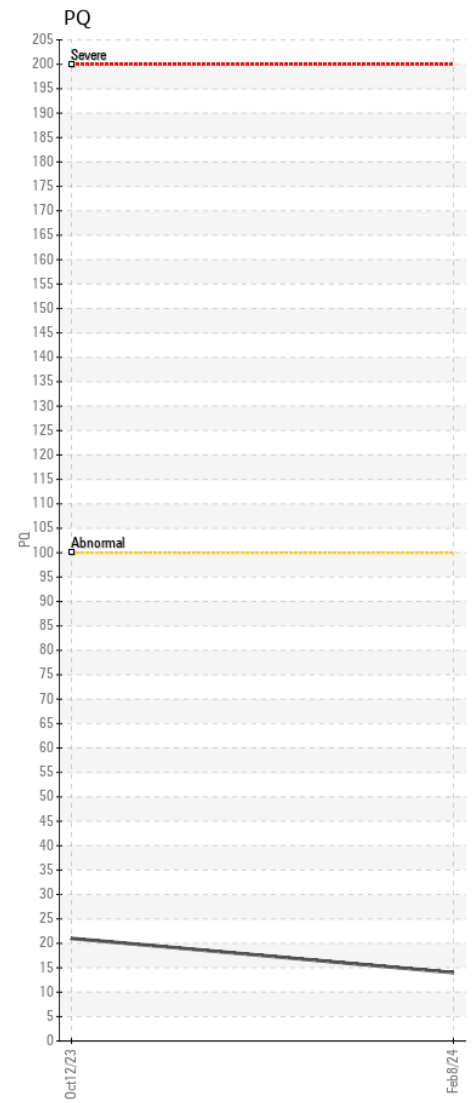
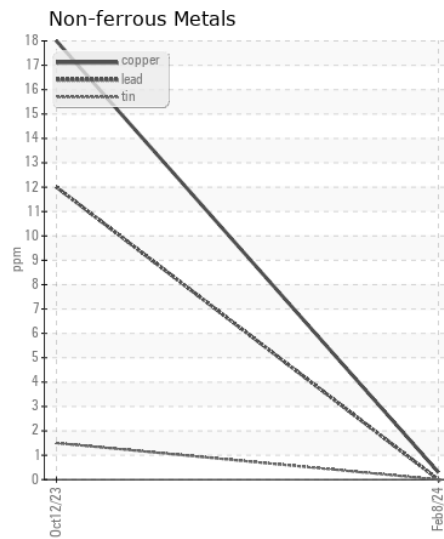
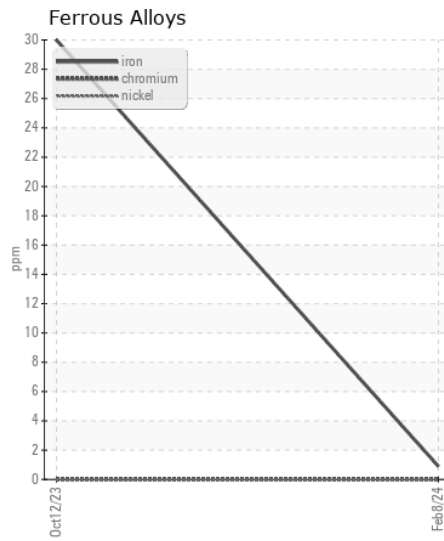
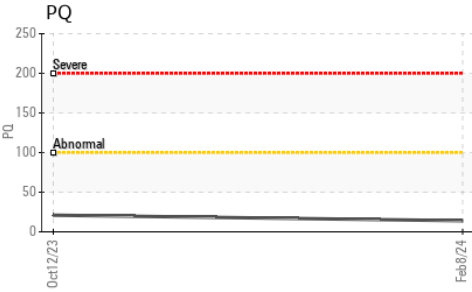
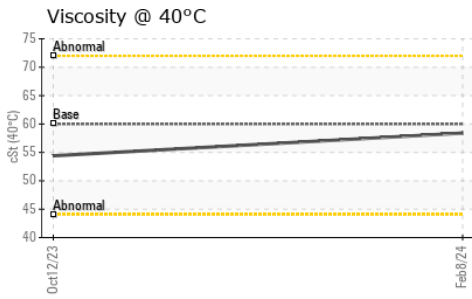
There is no indication of any contamination in the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>6</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	---
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>0</b>	5	---
Boron	ppm	ASTM D5185m	37	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m	7	<b>12</b>	0	---
Molybdenum	ppm	ASTM D5185m	5	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	2	---
Magnesium	ppm	ASTM D5185m	40	<b>100</b>	66	---
Calcium	ppm	ASTM D5185m	2650	<b>3344</b>	3557	---
Phosphorus	ppm	ASTM D5185m	1050	<b>1064</b>	1047	---
Zinc	ppm	ASTM D5185m	1075	<b>1221</b>	1267	---
Sulfur	ppm	ASTM D5185m	5750	<b>4219</b>	3754	---
Visc @ 40°C	cSt	ASTM D445	60	<b>58.4</b>	54.4	---



Certificate L2367

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

**Sample No.** : JR0203567

**Lab Number** : 06089093

**Unique Number** : 10876538

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

**Received** : 14 Feb 2024

**Tested** : 15 Feb 2024

**Diagnosed** : 15 Feb 2024 - Don Baldrige

**JRE - CHARLOTTE**

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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)