



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



Area  
**[05W44711]**  
 Machine Id  
**CATERPILLAR 950GC C285096 (S/N 0M5T05487)**  
 Component  
**Transmission (Manual)**  
 Fluid  
**CAT SPECIAL APPLICATION TRANS OIL (40 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: CAT SPECIAL APPLICATION TRANSMISSION OIL )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203117</b>	JR0192202	---
Sample Date		Client Info		<b>12 Feb 2024</b>	14 Nov 2023	---
Machine Age	hrs	Client Info		<b>2018</b>	1485	---
Oil Age	hrs	Client Info		<b>2018</b>	500	---
Filter Age	hrs	Client Info		<b>2018</b>	500	---
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	---
Filter Changed		Client Info		<b>Changed</b>	Not Chngd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>15</b>	16	---
Iron	ppm	ASTM D5185m	>200	<b>12</b>	6	---
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	<1	---
Lead	ppm	ASTM D5185m	>45	<b>5</b>	6	---
Copper	ppm	ASTM D5185m	>225	<b>57</b>	47	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

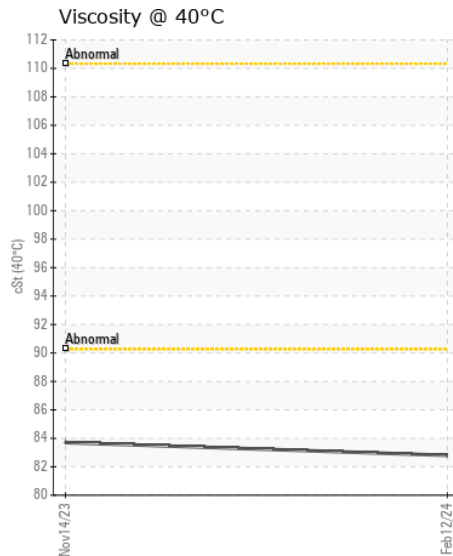
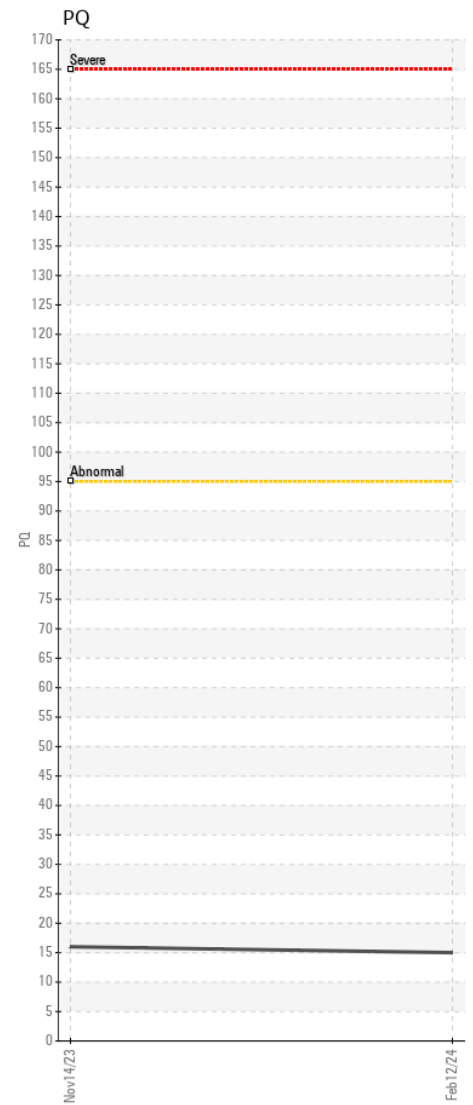
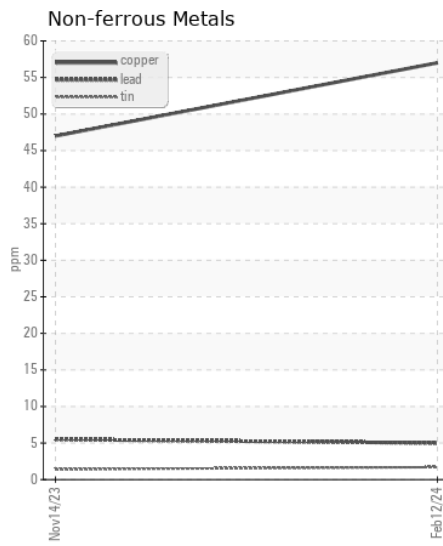
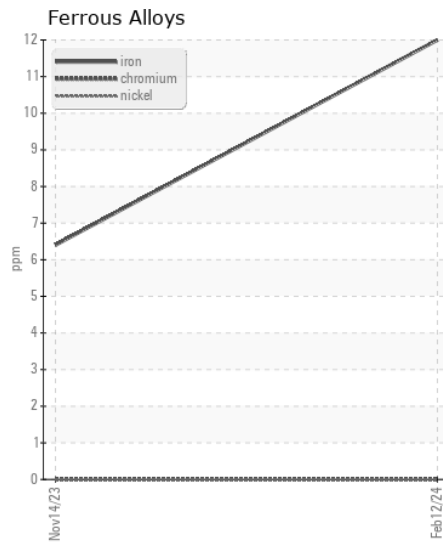
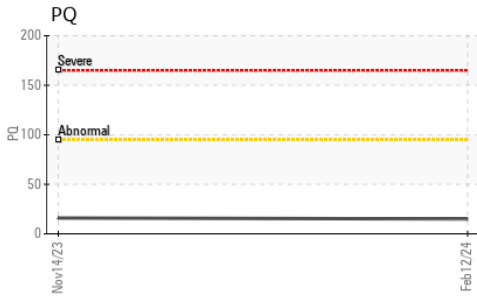
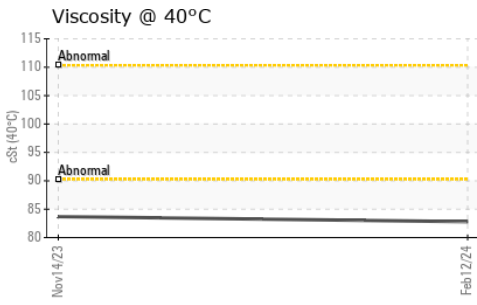
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>6</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>0</b>	2	---
Boron	ppm	ASTM D5185m		<b>18</b>	17	---
Barium	ppm	ASTM D5185m		<b>12</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>41</b>	41	---
Calcium	ppm	ASTM D5185m		<b>2832</b>	2975	---
Phosphorus	ppm	ASTM D5185m		<b>962</b>	1065	---
Zinc	ppm	ASTM D5185m		<b>1177</b>	1291	---
Sulfur	ppm	ASTM D5185m		<b>6316</b>	5820	---
Visc @ 40°C	cSt	ASTM D445		<b>82.8</b>	83.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203117 **Received** : 14 Feb 2024  
**Lab Number** : 06089670 **Tested** : 16 Feb 2024  
**Unique Number** : 10877115 **Diagnosed** : 16 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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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