



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[05W47700]
 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: Special application transmission oil)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225329	JR0211026	JR0203117
Sample Date		Client Info		25 Jun 2024	11 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		2989	2465	2018
Oil Age	hrs	Client Info		1000	447	2018
Filter Age	hrs	Client Info		1000	447	2018
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	23	13	15
Iron	ppm	ASTM D5185m	>200	9	5	12
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	1
Lead	ppm	ASTM D5185m	>45	2	<1	5
Copper	ppm	ASTM D5185m	>225	25	18	57
Tin	ppm	ASTM D5185m	>10	<1	1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

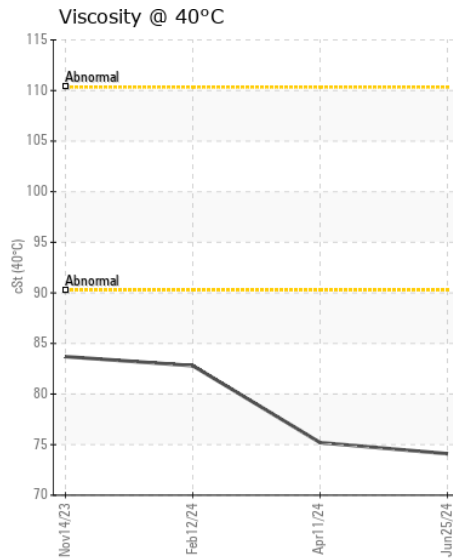
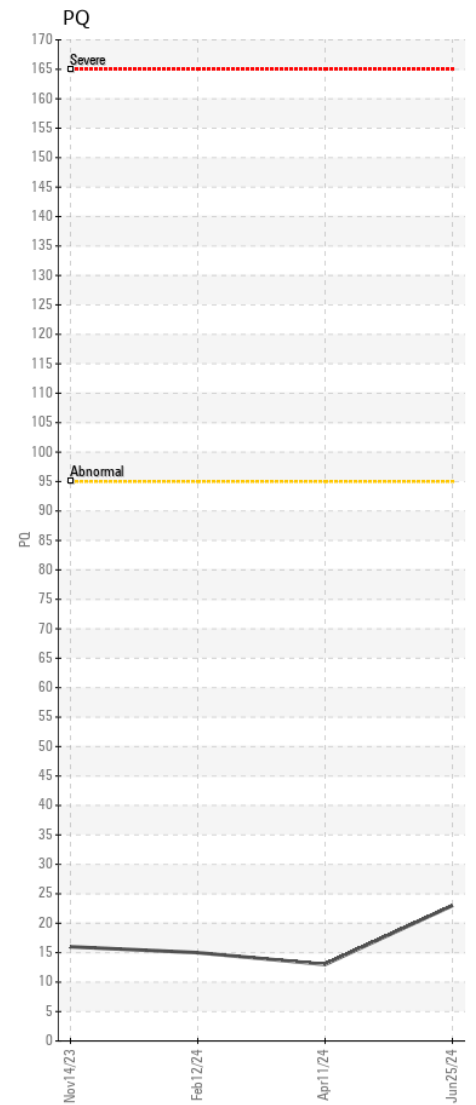
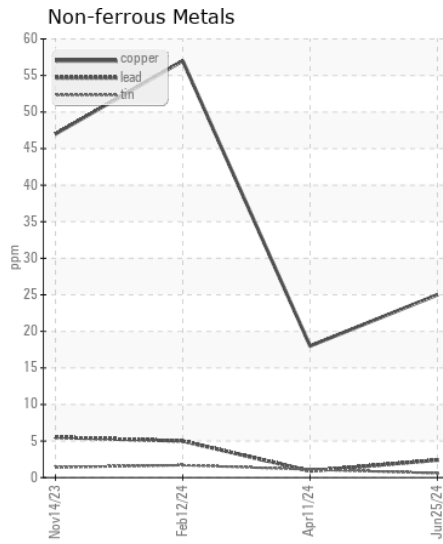
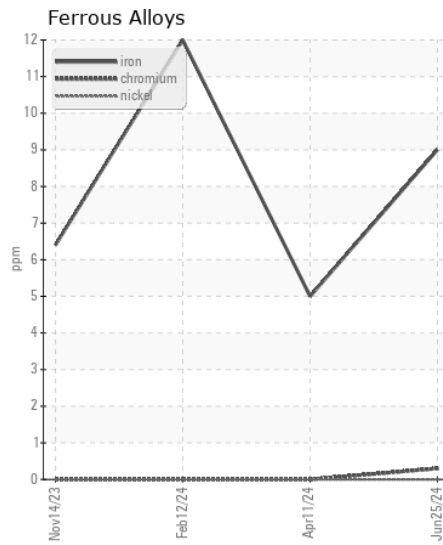
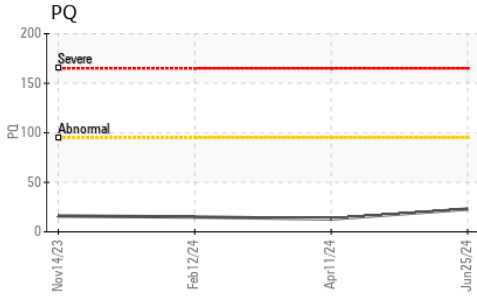
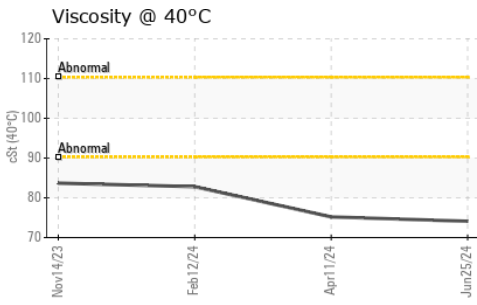
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	5	4	6
Potassium	ppm	ASTM D5185m	>20	2	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	2	0
Boron	ppm	ASTM D5185m		24	21	18
Barium	ppm	ASTM D5185m		<1	0	12
Molybdenum	ppm	ASTM D5185m		<1	<1	2
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		22	16	41
Calcium	ppm	ASTM D5185m		3074	2854	2832
Phosphorus	ppm	ASTM D5185m		1117	916	962
Zinc	ppm	ASTM D5185m		1267	1064	1177
Sulfur	ppm	ASTM D5185m		5630	5358	6316
Visc @ 40°C	cSt	ASTM D445		74.1	75.2	82.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225329 **Received** : 26 Jun 2024
Lab Number : 06221460 **Tested** : 27 Jun 2024
Unique Number : 11099657 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)

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