

Area

WEAR **ABNORMAL** CONTAMINATION NORMAL FLUID CONDITION NORMAL



[05W44711] CATERPILLAR 950GC C285096 (S/N 0M5T05487) Component Rear Differential

CAT TDTO SAE 50 (40 QTS)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

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The copper level is abnormal. All other component wear rates are normal.

## CONTAMINATION

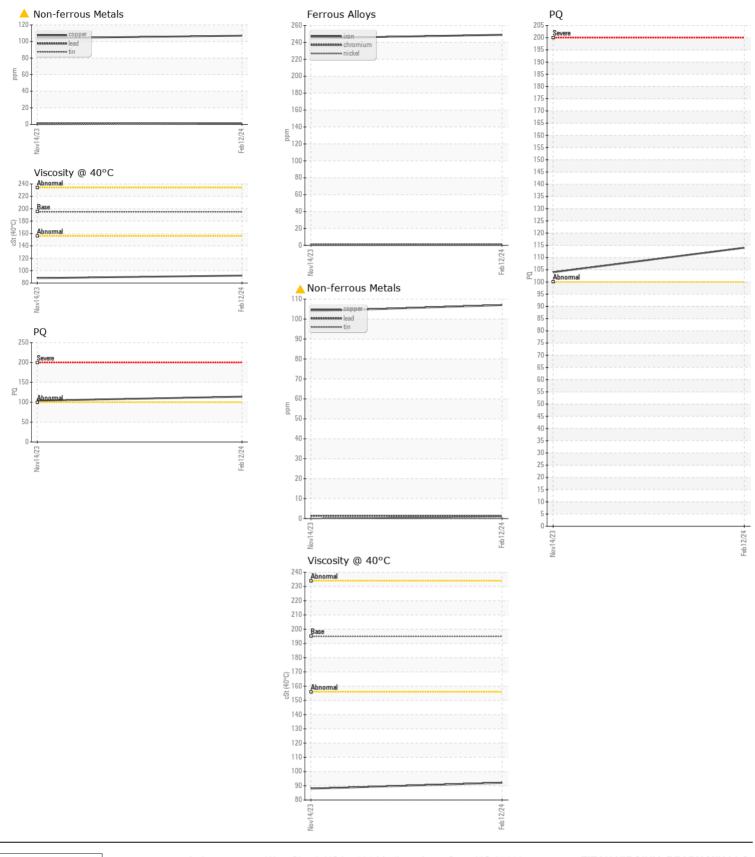
There is no indication of any contamination in the oil.

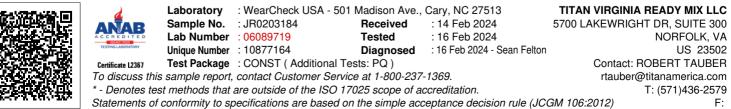
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The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203184	JR0192205	
Sample Date		Client Info		12 Feb 2024	14 Nov 2023	
Machine Age	hrs	Client Info		2018	1485	
Oil Age	hrs	Client Info		2018	1485	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
PQ		ASTM D8184		114	104	
Iron	ppm	ASTM D5185m	>500	249	245	
Chromium	ppm	ASTM D5185m	>3	1	<1	
Nickel	ppm	ASTM D5185m	>3	<1	0	
Titanium	ppm	ASTM D5185m	>2	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>30	6	5	
Lead	ppm	ASTM D5185m	>13	1	1	
Copper	ppm	ASTM D5185m	>103	<b>1</b> 07	<b>1</b> 04	
Tin	ppm	ASTM D5185m	>5	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>100	8	8	
Potassium	ppm	ASTM D5185m	>20	ہ <1	0	
Water	ppin	WC Method	>.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		4	4	
Boron	ppm	ASTM D5185m		3	4	
Barium	ppm	ASTM D5185m		4	4	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		7	7	
Magnesium	ppm	ASTM D5185m		17	11	
Calcium	ppm	ASTM D5185m	2980	2905	3030	
Phosphorus	ppm	ASTM D5185m	1100	1064	1097	
Zinc	ppm	ASTM D5185m	1270	1291	1344	
Sulfur	ppm	ASTM D5185m		4393	4266	
Visc @ 40°C	cSt	ASTM D445	195	92.1	88.0	

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