

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

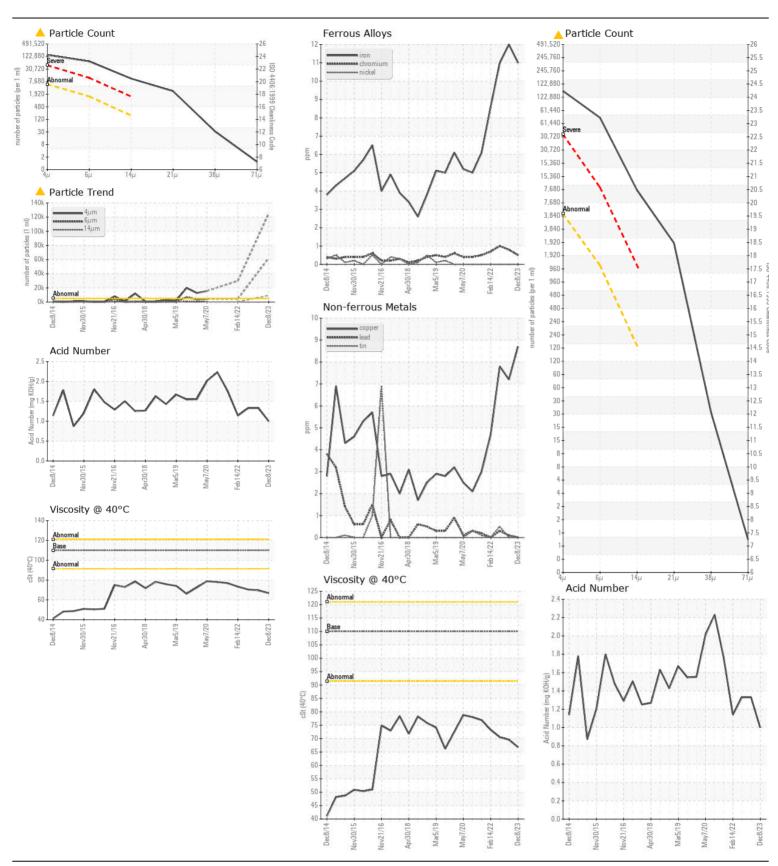
NORMAL



CATERPILLAR 953D 001722 (S/N CAT0953DPLBP00240)

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0800502	WC0758004	WC0701129
	Sample Date		Client Info		08 Dec 2023	31 Mar 2023	23 Sep 2022
	Machine Age	hrs	Client Info		9963	9468	8944
	Oil Age	hrs	Client Info		495	1500	1000
	Filter Age	hrs	Client Info		495	524	536
	Oil Changed		Client Info		Not Changd	Changed	Not Chango
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>20	11	12	11
	Chromium	ppm	ASTM D5185m	>10	<1	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>10	6	8	9
	Lead	ppm	ASTM D5185m	>10	0	<1	<1
	Copper	ppm	ASTM D5185m	>75	9	7	8
	Tin	ppm	ASTM D5185m	>10	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	15	16	14
O THAIRMAN TO THE	Potassium	ppm	ASTM D5185m		3	1	1
There is a high amount of particulates present in the oil.	Water	1-1-	WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647		<u> </u>		
	Particles >6µm		ASTM D7647		<u>▲</u> 61988		
	Particles >14μm		ASTM D7647	>160	△ 9340		
	Particles >21µm		ASTM D7647	>40	2331		
	Particles >38µm		ASTM D7647	>10	28		
	Particles >71μm		ASTM D7647	>3	1		
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> 24/23/20</u>		
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	LIGHT	▲ MODER	▲ MODEF
	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	Sodium	ppm	ASTM D5185m		0	2	2
TEGID CONDITION	Boron	ppm	ASTM D5185m		109	119	134
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		50	50	47
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		360	461	444
	Calcium	ppm	ASTM D5185m		1455	1519	1471
	Phosphorus	ppm	ASTM D5185m		917	957	926
	Zinc	ppm	ASTM D5185m		1060	1186	1084
	Sulfur	ppm	ASTM D5185m		3409	3740	3784
	Acid Number (AN)	mg KOH/g	ASTM D8045		1.00	1.33	1.33
	Visc @ 40°C	cSt	ASTM D445		66.8	69.6	70.5





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0800502 : 06060171 : 10831553 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Jan 2024 Recieved : 16 Jan 2024 Diagnosed : Don Baldridge Diagnostician

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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