WEAR CONTAMINATION **FLUID CONDITION**

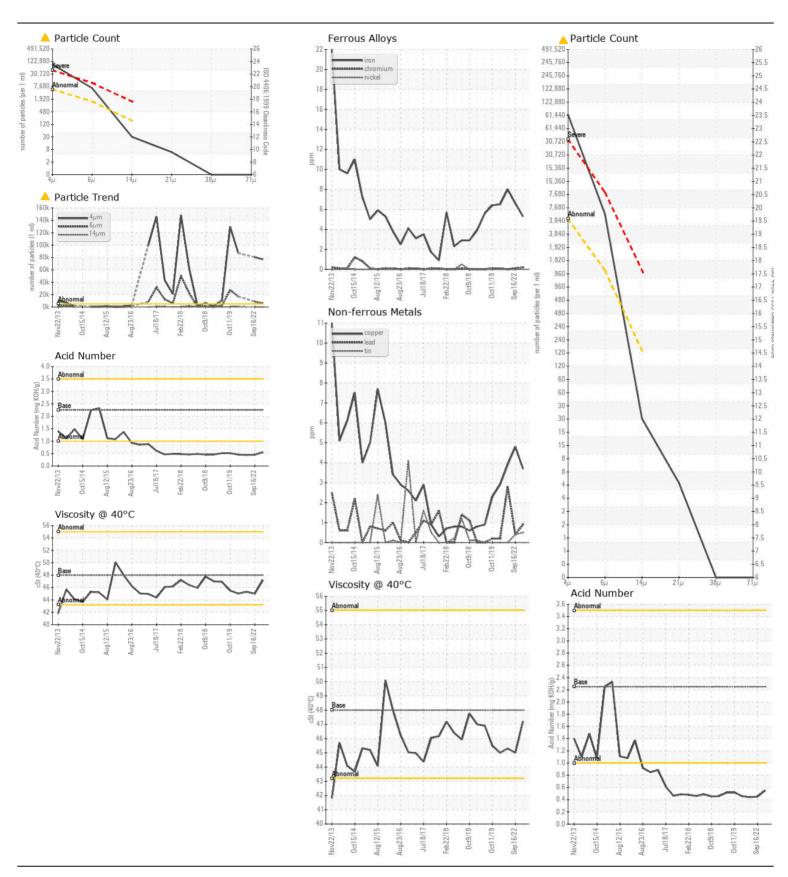
NORMAL ABNORMAL NORMAL

Machine Id

BOBCAT 001588

Component
Hydraulic System

RECOMMENDATION Oil and filter abongs at the time of complian has been noted. No	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0856180	WC0700970	WC058394
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		02 Jul 2024	16 Sep 2022	08 Jul 202
	Machine Age	hrs	Client Info		10153	9878	9638
	Oil Age	hrs	Client Info		1000	240	1050
	Filter Age	hrs	Client Info		275	240	350
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>20	5	7	8
	Chromium	ppm	ASTM D5185m	>10	<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	<1	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m	>10	3	2	3
	Lead	ppm	ASTM D5185m	>10	<1	<1	3
	Copper	ppm	ASTM D5185m	>75	4	5	4
	Tin	ppm	ASTM D5185m	>10	<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is a high amount of silt (particulates < 14 microns in size) present in the oil.	Silicon	ppm	ASTM D5185m	>20	5	5	7
	Potassium	ppm	ASTM D5185m	>20	2	0	9
	Water		WC Method	>0.1	NEG	NEG	NEG
	Particles >4μm		ASTM D7647	>5000	△ 76833	<u>▲</u> 80582	
	Particles >6μm		ASTM D7647		<u> </u>	<u>▲</u> 8617	
	Particles >14µm		ASTM D7647		27	126	
	Particles >21µm		ASTM D7647		5	28	
	Particles >38µm		ASTM D7647		0	1	
	Particles >71µm		ASTM D7647		0	0	
	Oil Cleanliness Silt		ISO 4406 (c) *Visual	NONE	23/20/12 NONE	A 24/20/14 NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water			>0.1	NEG	NEG	NEG
I LUD CONDITION	O "		AOTH DE LOS				
LUID CONDITION	Sodium	ppm	ASTM D5185m	10	0	1	2
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		15	6	3
	Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m		<1 9	0 2	0
	Manganese	ppm	ASTM D5185m	10	- 9 <1	<1	<1
	Magnesium	ppm	ASTM D5185m	100	49	23	17
	Calcium	ppm	ASTM D5185m		584	401	319
	Phosphorus	ppm	ASTM D5185m		452	402	372
	Zinc	ppm		1150	551	492	479
	Sulfur	ppm	ASTM D5185m		1491	1609	1388
	Acid Number (AN)		ASTM D8045	2.25	0.55	0.45	0.441





Certificate L2367

Laboratory Sample No.

: WC0856180 Lab Number : 06231437 Unique Number : 11114930

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Jul 2024 **Tested** : 10 Jul 2024

: 10 Jul 2024 - Don Baldridge Diagnosed

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)

CJ MILLER LLC 2903 DEDE RD FINKSBURG, MD

US 21048 Contact: JOE ROSS jross@cjmillerllc.com T: (410)239-8006

F: (410)239-1051