CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MCCLOSKEY 1535
Component
Hydraulic System
Fluid
CASTROL UNIVERSAL TRACTOR FLUID (150 GAL)

RECOMMENDATION

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.

WEAR

All component wear rates are normal.

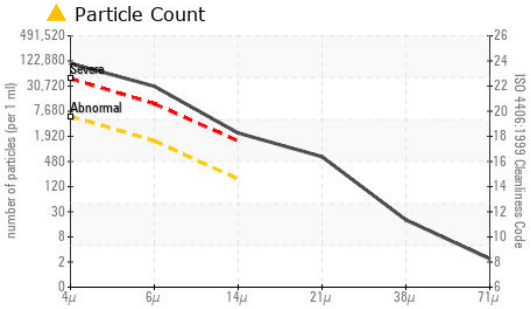
CONTAMINATION

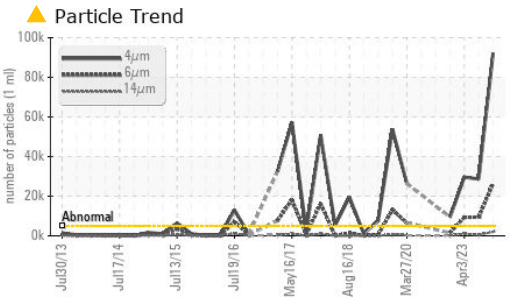
There is a high amount of particulates present in the oil.

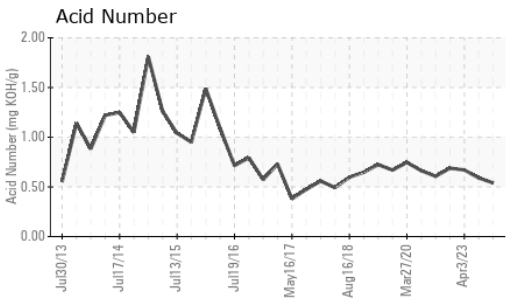
FLUID CONDITION

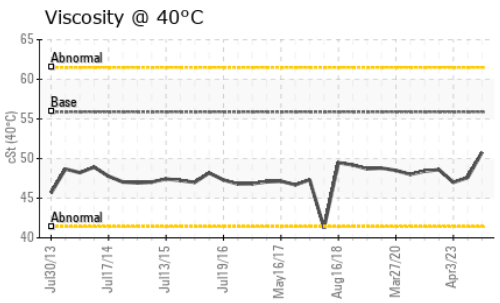
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

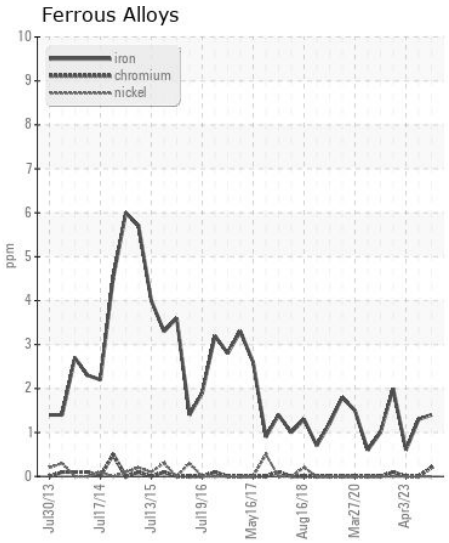
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0800516	WC0823871	WC0758029
Sample Date		Client Info		05 Dec 2023	01 Sep 2023	03 Apr 2023
Machine Age	hrs	Client Info		11605	11193	10892
Oil Age	hrs	Client Info		400	301	581
Filter Age	hrs	Client Info		400	301	581
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>20	1	1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>75	<1	0	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	4	2	2
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 92209	▲ 28649	▲ 29606
Particles >6µm		ASTM D7647	>1300	▲ 26346	▲ 9416	▲ 9274
Particles >14µm		ASTM D7647	>160	▲ 2017	▲ 476	▲ 971
Particles >21µm		ASTM D7647	>40	▲ 547	▲ 104	▲ 301
Particles >38µm		ASTM D7647	>10	▲ 17	4	9
Particles >71µm		ASTM D7647	>3	2	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/22/18	▲ 22/20/16	▲ 22/20/17
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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
Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m		13	8	19
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		3	3	4
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		64	50	24
Calcium	ppm	ASTM D5185m		523	362	720
Phosphorus	ppm	ASTM D5185m		492	360	466
Zinc	ppm	ASTM D5185m		542	447	576
Sulfur	ppm	ASTM D5185m		1544	1252	1493
Acid Number (AN)	mg KOH/g	ASTM D8045		0.54	0.59	0.67
Visc @ 40°C	cSt	ASTM D445	55.89	50.8	47.6	47.0

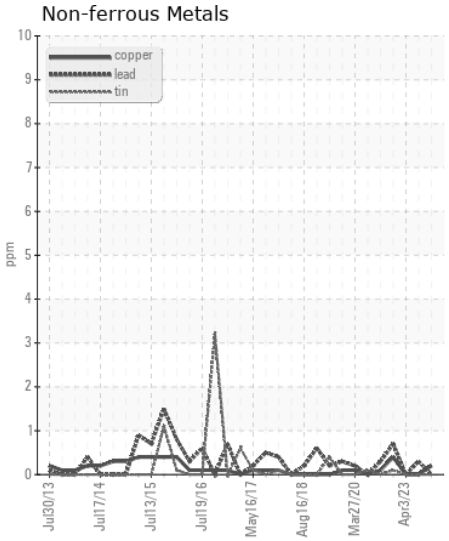


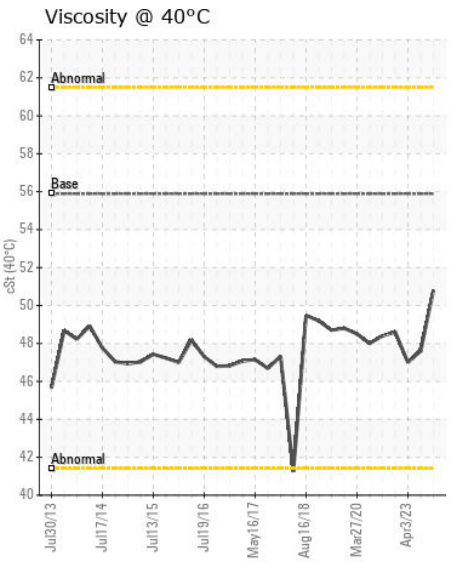


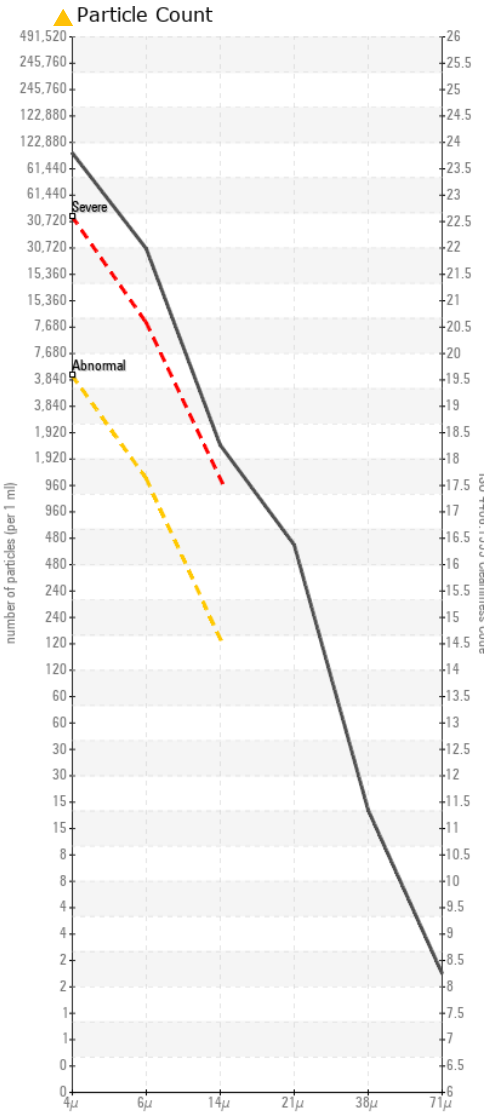


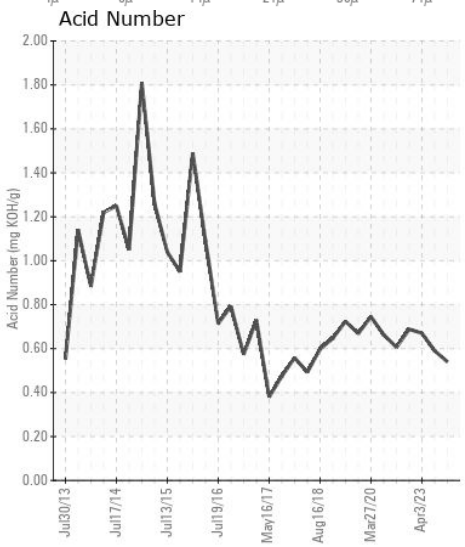












Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: WC0800516	**Recieved**	: 12 Jan 2024
Lab Number	: 06060168	**Diagnosed**	: 16 Jan 2024
Unique Number	: 10831550	**Diagnostician**	: Jonathan Hester
Test Package	: CONST		

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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