

OIL ANALYSIS REPORT

Sample Rating Trend

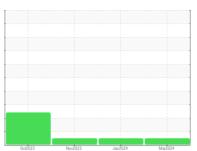
NORMAL



MINING
Machine Id
ME-66 CATERPILLAR 980M MK700460

Component
Rear Differential
Fluid

CAT TDTO SAE 50 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

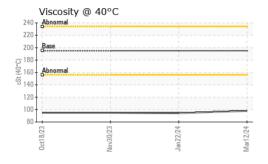
Fluid Condition

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

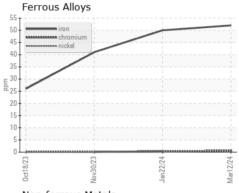
GAL)		Oct202	3 Nov2023	Jan 2024 M	1ar2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909664	WC0880668	WC0880652
Sample Date		Client Info		12 Mar 2024	22 Jan 2024	30 Nov 2023
Machine Age	hrs	Client Info		5546	5015	4480
Oil Age	hrs	Client Info		2000	1500	1000
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	52	50	41
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	3	3	1
Lead	ppm	ASTM D5185m	>13	0	<1	0
Copper	ppm	ASTM D5185m	>103	10	8	9
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	2	<1
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		2	<1	2
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		22	24	24
Calcium	ppm	ASTM D5185m	2980	2781	2569	3060
Phosphorus	ppm	ASTM D5185m	1100	926	862	1087
Zinc	ppm	ASTM D5185m	1270	1180	1094	1274
Sulfur	ppm	ASTM D5185m		5996	4991	6374
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	8	8	7
Sodium	ppm	ASTM D5185m		0	3	0
Potassium	ppm	ASTM D5185m	>20	2	<1	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

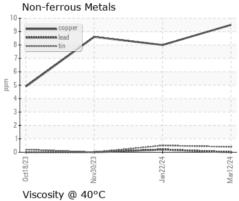


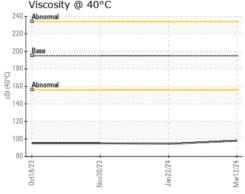
OIL ANALYSIS REPORT



Visc @ 40°C cSt	ASTM D445	195			
			98.0	94.3	95.0
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image









Certificate L2367

Laboratory Sample No.

Lab Number : 06122741 Unique Number : 10936892 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0909664 Received : 19 Mar 2024 Tested : 20 Mar 2024

Diagnosed : 20 Mar 2024 - Wes Davis **COVIA - CAMDEN - 094** 1700 SAND MILL RD CAMDEN, TN

US 38320

Contact: TRACY KEE tracy.kee@coviacorp.com

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)

Report Id: COVCAMTN [WUSCAR] 06122741 (Generated: 03/20/2024 13:38:23) Rev: 1

Contact/Location: TRACY KEE - COVCAMTN

T:

F: