

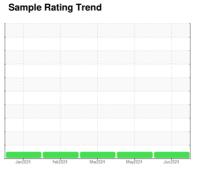
OIL ANALYSIS REPORT



MINING ME-61 CATERPILLAR 980M MK700210

Rear Differential

Fluid CAT TDTO SAE 50 (22 GAL)





Recommendation

The oil 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 no indication of any contamination in the

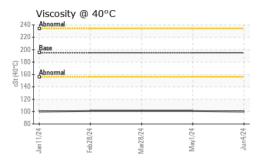
Fluid Condition

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

GAL)		Jan 2024	Feb2024	Mar2024 May2024	Jun2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0950839	WC0910901	WC0909689
Sample Date		Client Info		04 Jun 2024	01 May 2024	28 Mar 2024
Machine Age	hrs	Client Info		12200	11790	11312
Oil Age	hrs	Client Info		2000	1500	1000
Oil Changed		Client Info		Changed	Not Changd	N/A
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
ron	ppm	ASTM D5185m	>500	46	34	27
Chromium	ppm	ASTM D5185m	>3	0	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	0	<1
Fitanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	<1	2
_ead	ppm	ASTM D5185m	>13	<1	0	0
		ASTM D5185m		6	5	4
Copper	ppm			-		
Γin (a. a. a. dia a. a.	ppm	ASTM D5185m	>5	<1	<1	<1
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	2	1
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		1	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		24	23	22
Calcium	ppm	ASTM D5185m	2980	3013	2965	3092
Phosphorus	ppm	ASTM D5185m	1100	1053	1094	1066
Zinc	ppm	ASTM D5185m	1270	1219	1221	1251
Sulfur	ppm	ASTM D5185m		7965	7312	7024
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	17	11	11
Sodium	ppm	ASTM D5185m		1	<1	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	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
	Joalai					

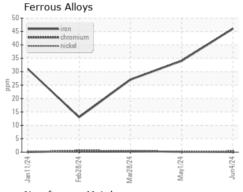


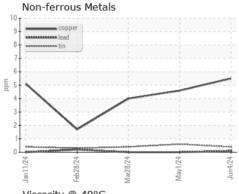
OIL ANALYSIS REPORT

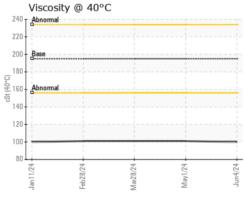


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	99.9	101	101
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS











Certificate 12367

Sample No. : WC0950839 Lab Number : 06206960 Unique Number : 11074421

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 Tested : 13 Jun 2024

Diagnosed

: 13 Jun 2024 - Don Baldridge

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)

T: F: