

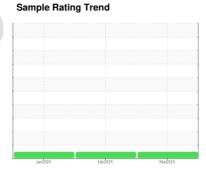
OIL ANALYSIS REPORT



MINING ME-61 CATERPILLAR 980M MK700210

Component Rear Differential

CAT TDTO SAE 50 (22 GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

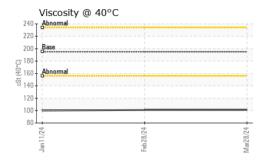
Fluid Condition

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

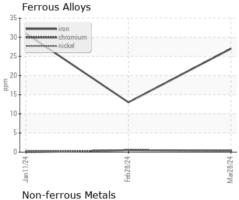
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SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0909689	WC0909676	WC0880650
Sample Date		Client Info		28 Mar 2024	28 Feb 2024	11 Jan 2024
Machine Age	hrs	Client Info		11312	10782	10185
Oil Age	hrs	Client Info		1000	500	2000
Oil Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	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	27	13	31
Chromium	ppm	ASTM D5185m	>3	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	2	2
Lead	ppm	ASTM D5185m	>13	0	<1	0
Copper	ppm	ASTM D5185m	>103	4	2	5
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	0	<1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		2	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		22	23	25
Calcium	ppm	ASTM D5185m	2980	3092	3080	2629
Phosphorus	ppm	ASTM D5185m	1100	1066	1106	866
Zinc	ppm	ASTM D5185m	1270	1251	1294	1101
Sulfur	ppm	ASTM D5185m		7024	7426	5122
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	11	10	7
Sodium	ppm	ASTM D5185m		<1	<1	3
Potassium	ppm	ASTM D5185m	>20	2	1	<1
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	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
0.1	scalar	*Visual	NORML	NORML	NORML	NORML
Odor						
Odor Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
		*Visual	>.2	NEG NEG	NEG NEG	NEG NEG

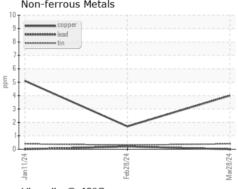


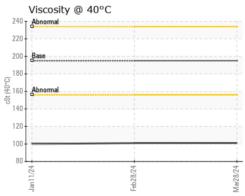
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	101	101	100
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
ODABUO						









Certificate 12367

Laboratory

Sample No. : WC0909689 Lab Number : 06138901

Unique Number : 10963709 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Apr 2024 Tested

: 05 Apr 2024 : 05 Apr 2024 - Wes Davis Diagnosed

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] 06138901 (Generated: 04/05/2024 12:37:04) Rev: 1

Contact/Location: TRACY KEE - COVCAMTN

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