

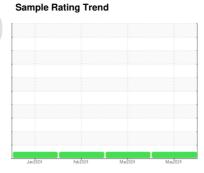
OIL ANALYSIS REPORT



MINING ME-61 CATERPILLAR 980M MK700210

Component Front Differential

CAT TDTO 30W (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

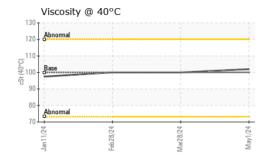
Fluid Condition

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

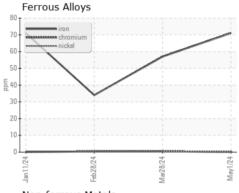
SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age	NOITAN					
Sample Date Machine Age		method	limit/base	current	history1	history2
Machine Age		Client Info		WC0910935	WC0909688	WC0909675
		Client Info		01 May 2024	28 Mar 2024	28 Feb 2024
Oil Age	hrs	Client Info		11790	11312	10782
	hrs	Client Info		1500	1000	500
Oil Changed		Client Info		Not Changd	N/A	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	71	57	34
Chromium	ppm	ASTM D5185m	>3	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	5	6	5
Lead	ppm	ASTM D5185m	>13	0	<1	<1
Copper	ppm	ASTM D5185m	>103	6	5	3
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	2	<1
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		0	2	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		22	22	23
Calcium	ppm	ASTM D5185m	2980	2992	3078	3049
Phosphorus	ppm	ASTM D5185m	1100	1093	1034	1089
Zinc	ppm	ASTM D5185m	1270	1218	1235	1296
Sulfur	ppm	ASTM D5185m		7319	6750	7654
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	17	18	16
Sodium	ppm	ASTM D5185m		1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	2	2
VISUAL		method	limit/base	current	history1	history2
VISUAL	scalar	*Visual	NONE	NONE	NONE	NONE
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
		*Visual	NONE	NONE	NONE	NONE
White Metal	scalar					
White Metal Yellow Metal	scalar scalar	*Visual	NONE	LIGHT	NONE	NONE
White Metal Yellow Metal Precipitate			NONE NONE	NONE	NONE NONE	NONE NONE
White Metal Yellow Metal Precipitate Silt	scalar	*Visual				
White Metal Yellow Metal Precipitate Silt Debris	scalar scalar	*Visual *Visual	NONE	NONE	NONE	NONE
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML NORML	NONE NONE NORML NORML	NONE NONE NORML NORML
White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML	NONE NONE NORML

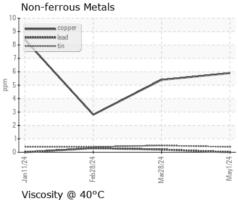


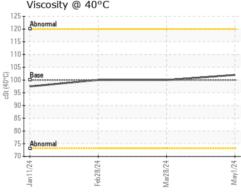
OIL ANALYSIS REPORT



SAMPLE IMAGES method limit/base current history1	100 history2
	history2
Color no image no image	
	no image
Bottom no image no image	no image











Certificate 12367

Sample No. : WC0910935 Lab Number : 06177976 Unique Number : 11029302

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 13 May 2024 Tested : 14 May 2024

: 14 May 2024 - Wes Davis Diagnosed

COVIA - CAMDEN - 094 1700 SAND MILL RD

CAMDEN, TN US 38320

Contact: TRACY KEE tracy.kee@coviacorp.com T:

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] 06177976 (Generated: 05/14/2024 17:45:23) Rev: 1

Contact/Location: TRACY KEE - COVCAMTN

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