

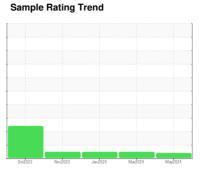
OIL ANALYSIS REPORT



MINING ME-66 CATERPILLAR 980M MK700460

Rear Differential

CAT TDTO 30W (--- 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

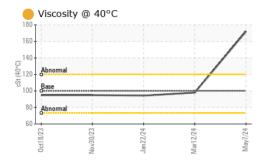
The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in

AL)		Oct2023	Nov2U23	Jan2024 Mar2024	May2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910920	WC0909664	WC0880668
Sample Date		Client Info		07 May 2024	12 Mar 2024	22 Jan 2024
Machine Age	hrs	Client Info		6064	5546	5015
Oil Age	hrs	Client Info		500	2000	1500
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINATION	I	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	12	52	50
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	<1	3	3
Lead	ppm	ASTM D5185m	>13	0	0	<1
Copper	ppm	ASTM D5185m	>103	<1	10	8
Tin	ppm	ASTM D5185m	>5	<1	<1	<1
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		3	2	2
Barium	ppm	ASTM D5185m		1	0	1
Molybdenum	ppm	ASTM D5185m		0	2	<1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		27	22	24
Calcium	ppm	ASTM D5185m	2980	2899	2781	2569
Phosphorus	ppm	ASTM D5185m	1100	1067	926	862
Zinc	ppm	ASTM D5185m	1270	1244	1180	1094
Sulfur	ppm	ASTM D5185m		8439	5996	4991
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	6	8	8
Sodium	ppm	ASTM D5185m		1	0	3
Potassium	ppm	ASTM D5185m	>20	0	2	<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	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
7-40-00\ D4				O	TD (0) / //-	E 001/044T

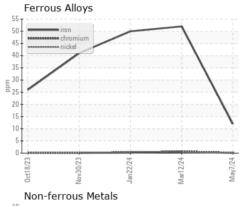
Contact/Location: TRACY KEE - COVCAMTN

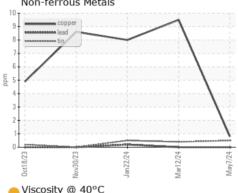


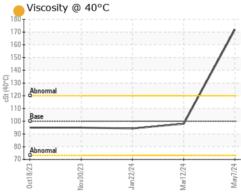
OIL ANALYSIS REPORT













Certificate 12367

Laboratory

Sample No. : WC0910920

Lab Number : 06177951 Unique Number : 11029277

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024

Tested : 14 May 2024

Diagnosed : 15 May 2024 - Sean Felton **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)

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F: