

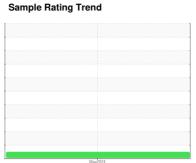
OIL ANALYSIS REPORT



MINING ME-41 CATERPILLAR 980M KRS02439

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

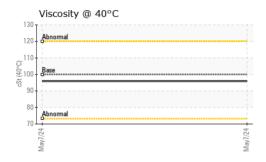
Fluid Condition

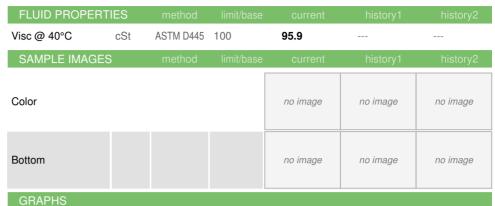
The condition of the oil is acceptable for the time in service.

L)		L		May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910917		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		25677		
Dil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Vater		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	104		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	0		
- itanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	3		
_ead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	21		
- in	ppm	ASTM D5185m	>5	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		1		
Nolybdenum		ASTM D5185m		0		
	ppm	ASTM D5185m		1		
Manganese	ppm			24		
Magnesium	ppm	ASTM D5185m	0000			
Calcium	ppm	ASTM D5185m	2980	2893		
hosphorus 	ppm	ASTM D5185m	1100	1143		
linc	ppm	ASTM D5185m	1270	1247		
Sulfur	ppm	ASTM D5185m		7082		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	10		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	NEG		
Free Water 53:45) Rev: 1	scalar	*Visual		NEG	 ion: TRACY KE	

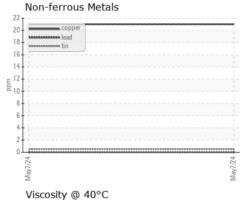


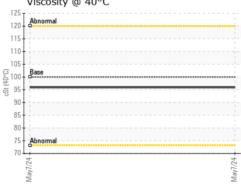
OIL ANALYSIS REPORT





Ferrous Alloys 110 100 90 80 70 30 20







Certificate 12367

Laboratory

Sample No. : WC0910917 Lab Number : 06177952 Unique Number : 11029278

Test Package : CONST

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

: 14 May 2024

Diagnosed : 14 May 2024 - Wes Davis **COVIA - CAMDEN - 094** 1700 SAND MILL RD CAMDEN, TN

> US 38320 Contact: TRACY KEE

tracy.kee@coviacorp.com T:

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact/Location: TRACY KEE - COVCAMTN

F: