

OIL ANALYSIS REPORT



MINING ME-41 CATERPILLAR 980M KRS02439

Component Rear Differential Fluid CAT TDTO 30W (22 G

Sample Rating Trend



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

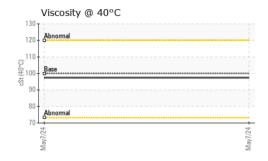
Fluid Condition

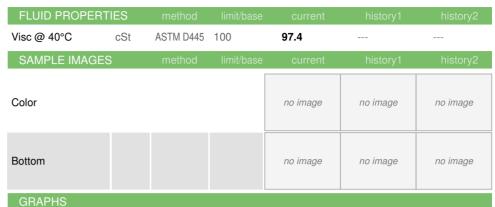
The condition of the oil is acceptable for the time in service.

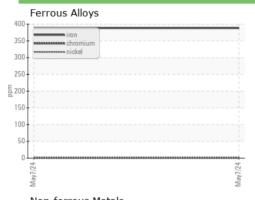
L)				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910916		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		25677		
Oil Age	hrs	Client Info		1000		
	1115	Client Info				
Oil Changed Sample Status		Client inio		Not Changd NORMAL		
CONTAMINATIO	DN	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	388		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	4		
_ead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	19		
Fin	ppm	ASTM D5185m	>5	<1		
/anadium		ASTM D5185m	75	0		
Cadmium	ppm	ASTM D5185m		0		
	рріп	method	li-noi+/lo-no-n	-	المناها المناها	la i a ta uu . C
ADDITIVES			limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		23		
Calcium	ppm	ASTM D5185m	2980	2943		
Phosphorus	ppm	ASTM D5185m	1100	1072		
Zinc	ppm	ASTM D5185m	1270	1243		
Sulfur	ppm	ASTM D5185m		7055		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	41		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
White 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	scalar	*Visual		NEG		
7:53:50) Rev: 1	Julian	Visual			ion: TRACY KE	E - COVCAM

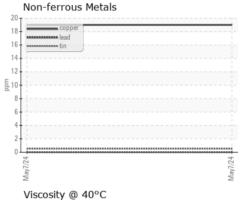


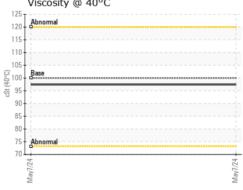
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Certificate 12367

Laboratory

Sample No. : WC0910916 Lab Number : 06177953 Unique Number : 11029279

Test Package : CONST

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

Diagnosed

: 14 May 2024 : 14 May 2024 - Wes Davis **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)

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