

OIL ANALYSIS REPORT









MINING ME-38 CATERPILLAR 980M KRS02863

Hydraulic System CAT TDTO 10W (--- GA

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

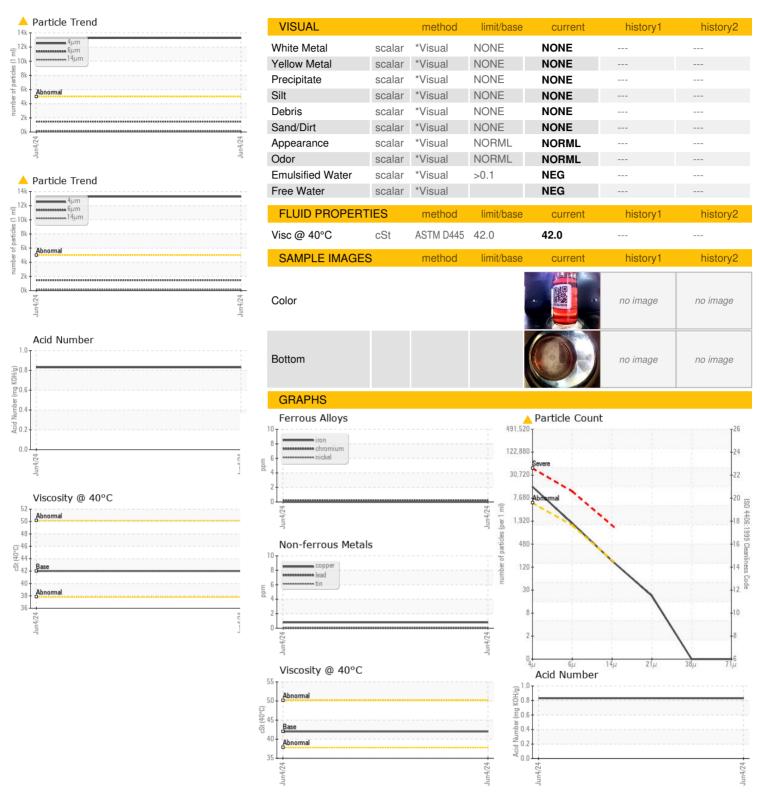
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

AL)				Jun2024		
SAMPLE INFORMA	MOITA	method	limit/base	current	history1	history2
	TION		IIIIII/Dase			
Sample Number		Client Info		WC0929610		
Sample Date		Client Info		04 Jun 2024		
0	nrs	Client Info		8406		
J	nrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185m	>20	0		
Chromium p	opm	ASTM D5185m	>10	<1		
Nickel p	opm	ASTM D5185m	>10	0		
Titanium	opm	ASTM D5185m		0		
Silver p	opm	ASTM D5185m		0		
Aluminum	opm	ASTM D5185m	>10	<1		
Lead p	opm	ASTM D5185m	>10	0		
Copper	opm	ASTM D5185m	>75	<1		
Tin p	opm	ASTM D5185m	>10	0		
Vanadium p	opm	ASTM D5185m		0		
Cadmium p	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185m		3		
Barium p	opm	ASTM D5185m		0		
Molybdenum p	opm	ASTM D5185m		4		
Manganese p	opm	ASTM D5185m		0		
Magnesium p	opm	ASTM D5185m		26		
Calcium	opm	ASTM D5185m	2980	303		
Phosphorus p	opm	ASTM D5185m	1100	735		
Zinc	opm	ASTM D5185m	1270	901		
Sulfur p	opm	ASTM D5185m		2124		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>20	2		
Sodium p	opm	ASTM D5185m		2		
	opm	ASTM D5185m	>20	0		
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	13265		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>160	154		
Particles >21µm		ASTM D7647	>40	19		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2



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Certificate 12367

Laboratory Sample No.

Lab Number : 06219611

Test Package : CONST

: WC0929610 Unique Number : 11097808

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Jun 2024 **Tested** : 28 Jun 2024 Diagnosed

: 28 Jun 2024 - Jonathan Hester

COVIA - ELCO AND TAMMS - 043 - 040 32079 STATE HWY 127 TAMMS, IL US 62988

Contact: Bleve Willoughby bleve.willoughby@coviacorp.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (573)233-9694

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: COVELC [WUSCAR] 06219611 (Generated: 06/29/2024 07:39:33) Rev: 1