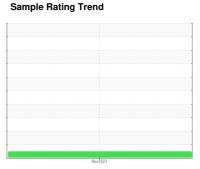


OIL ANALYSIS REPORT



MINING ME-60 CATERPILLAR 982M MK800210

Hydraulic System CAT HYDO (43 GAL)





DIAGNOSIS

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 oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

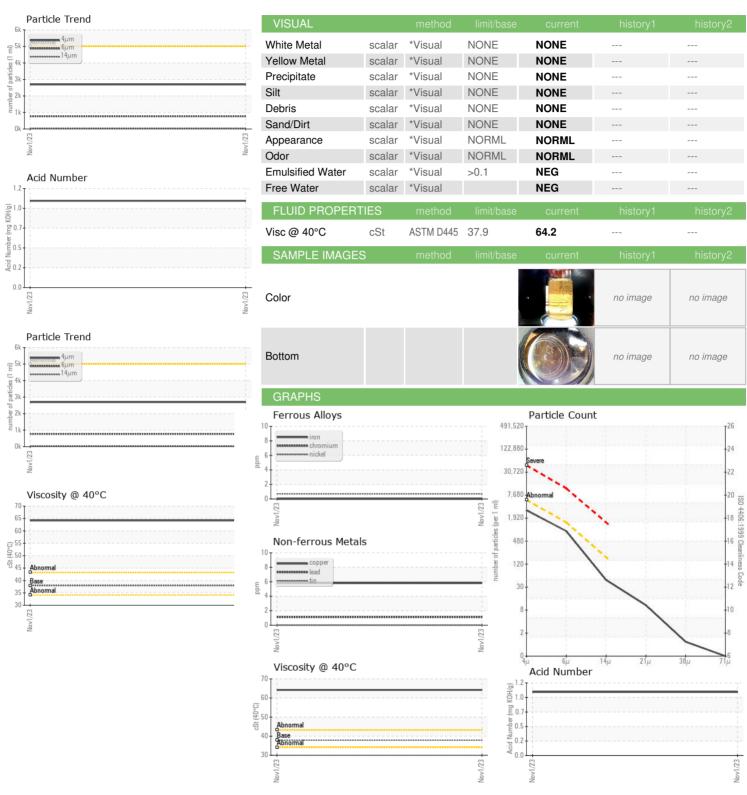
				Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0866089		
Sample Date		Client Info		01 Nov 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	0		
Lead	ppm	ASTM D5185m	>10	1		
Copper	ppm	ASTM D5185m	>75	6		
Tin	ppm		>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		11		
Calcium	ppm	ASTM D5185m		194		
Phosphorus	ppm	ASTM D5185m	1100	714		
Zinc	ppm	ASTM D5185m	1210	930		
Sulfur	ppm	ASTM D5185m		1916		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	2694		
Particles >6µm		ASTM D7647	>1300	770		
Particles >14µm		ASTM D7647	>160	41		
Particles >21µm		ASTM D7647	>40	9		
Particles >38µm		ASTM D7647	>10	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/13		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g ASTM D8045

1.05



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WC0866089 : 06000448 : 10728808 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Nov 2023 Diagnosed : 09 Nov 2023

: Jonathan Hester Diagnostician

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.

COVIA - CAMDEN 1700 SAND MILL RD CAMDEN, TN US 38320

Contact: TRACY KEE

tracy.kee@coviacorp.com T:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: TRACY KEE - COVCAMTN

F: