

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area MINING ME-003 CATERPILLAR 980M MK210364 Component Front Differential

MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

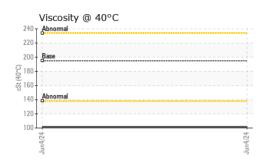
Fluid Condition

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

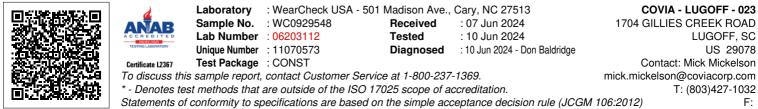
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929548		
Sample Date		Client Info		04 Jun 2024		
Machine Age	hrs	Client Info		19831		
Oil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	172		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	2		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	2		
Lead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	17		
Tin	ppm	ASTM D5185m	>5	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		<1		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		19		
Calcium	ppm	ASTM D5185m		3012		
Phosphorus	ppm	ASTM D5185m		1023		
Zinc	ppm	ASTM D5185m		1218		
Sulfur	ppm	ASTM D5185m		7049		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	11		
Sodium	ppm	ASTM D5185m		15		
Potassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow 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		
5:45:15) Rev: 1					Submitted B	y: Chris Bowers



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√isc @ 40°C	cSt	ASTM D445	195	101		
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys			, -			
iron chromium nickel						
nickel						
•						
+						
Jun4/24			Jun4/24			
Non-ferrous Metal	s		7			
copper						
- tin						
Jun4/24	******		Jun4/24			
			nn			
Viscosity @ 40°C			, -			
- Base						
-						
Abnormal						
Jun4/24			Jun4/24			
Jur			Jur			



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