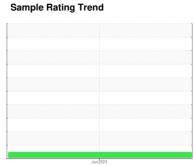


OIL ANALYSIS REPORT



MINING ME-003 CATERPILLAR 980M MK210364 Rear Differential

MOBIL MOBILTRANS HD 50 (--- 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

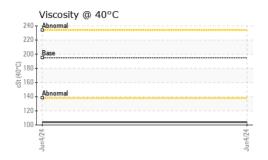
Fluid Condition

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

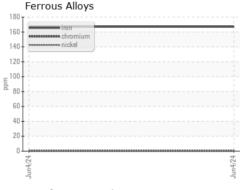
HD 50 (GAL)		<u>-</u>		Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929549		
Sample Date		Client Info		04 Jun 2024		
Machine Age	hrs	Client Info		19831		
Oil Age	hrs	Client Info		1000		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Vater		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	167		
Chromium	ppm	ASTM D5185m	>3	<1		
lickel	ppm	ASTM D5185m	>3	0		
itanium	ppm	ASTM D5185m	>2	2		
Silver	ppm	ASTM D5185m	>2	0		
Muminum	ppm	ASTM D5185m	>30	2		
.ead	ppm	ASTM D5185m	>13	0		
Copper	ppm	ASTM D5185m	>103	18		
in	ppm	ASTM D5185m	>5	0		
 /anadium	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		
Nolybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		2		
/lagnesium	ppm	ASTM D5185m		9		
Calcium	ppm	ASTM D5185m		3054		
Phosphorus	ppm	ASTM D5185m		1040		
inc .	ppm	ASTM D5185m		1220		
Sulfur	ppm	ASTM D5185m		7149		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	9		
Sodium	ppm	ASTM D5185m		11		
otassium	ppm	ASTM D5185m	>20	0		
VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE		
'ellow Metal	scalar	*Visual	NONE	NONE		
recipitate	scalar	*Visual	NONE	NONE		
ilt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
ppearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>.2	NEG		
ree Water	scalar	*Visual		NEG		
15:35) Rev: 1	Jaiui	1.3001			Submitted F	By: Chris Bowe



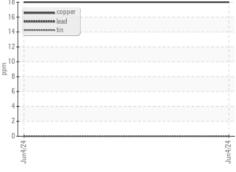
OIL ANALYSIS REPORT

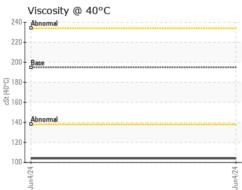


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	104		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image



Non-ferrous Metals









Certificate 12367

Laboratory Sample No. : WC0929549 Lab Number : 06203111 $\textbf{Unique Number} \quad : 11070572$

Test Package : CONST

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Jun 2024 Tested

: 10 Jun 2024 Diagnosed : 10 Jun 2024 - Don Baldridge

US 29078 Contact: Mick Mickelson mick.mickelson@coviacorp.com T: (803)427-1032

COVIA - LUGOFF - 023

1704 GILLIES CREEK ROAD

* - 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)

Submitted By: Chris Bowers

LUGOFF, SC