

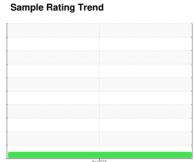
OIL ANALYSIS REPORT



MINING ME-006 CATERPILLAR 980G AWH02346

Front Differential

Fluid MOBILTRANS I





Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: 2000 Hour oil change)

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

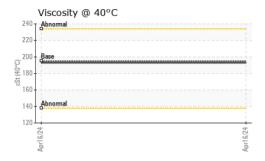
Fluid Condition

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

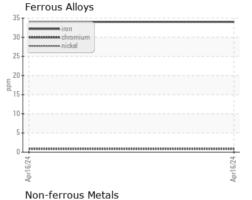
HD 50 (GAL)				Apr2024		
` '	AATION		12 - 24 //			1:
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929513		
Sample Date		Client Info		16 Apr 2024		
Machine Age	hrs	Client Info		39333		
Oil Age	hrs	Client Info		2000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	34		
Chromium	ppm	ASTM D5185m	>3	<1		
Nickel	ppm	ASTM D5185m	>3	<1		
Titanium	ppm	ASTM D5185m	>2	1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	2		
Lead	ppm	ASTM D5185m	>13	1		
Copper	ppm	ASTM D5185m	>103	7		
Tin	ppm	ASTM D5185m	>5	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		3		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		28		
Calcium	ppm	ASTM D5185m		4418		
Phosphorus	ppm	ASTM D5185m		1614		
Zinc	ppm	ASTM D5185m		1872		
Sulfur	ppm	ASTM D5185m		13408		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	11		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
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		
0.54.00\ D4					0.1	NAC all A AC all all

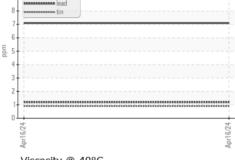


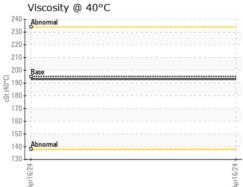
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	195	193		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image









Certificate 12367

Laboratory

Sample No. : WC0929513 Lab Number : 06153538 Unique Number : 10983616

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024 Tested : 19 Apr 2024

Diagnosed

: 22 Apr 2024 - Sean Felton

US 29078 Contact: Mick Mickelson mick.mickelson@coviacorp.com

T: (803)427-1032

COVIA - LUGOFF - 023

1704 GILLIES CREEK ROAD

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) LUGOFF, SC