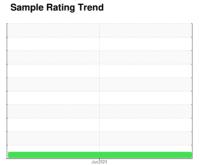


OIL ANALYSIS REPORT



MINING ME-022 CATERPILLAR 980 WFX00241 Rear Left Final Drive

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

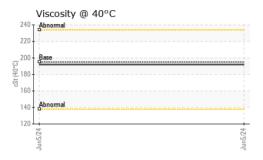
Fluid Condition

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

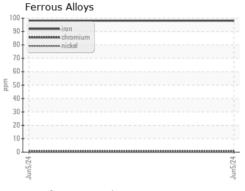
HD 50 (GAL)		<u>-</u>		Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0929524		
Sample Date		Client Info		05 Jun 2024		
Machine Age	hrs	Client Info		6311		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	98		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m	>15	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m		2		
Lead		ASTM D5185m	>10	0		
	ppm			41		
Copper	ppm	ASTM D5185m	>75			
Tin	ppm	ASTM D5185m	>8	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		12		
Calcium	ppm	ASTM D5185m		2964		
Phosphorus	ppm	ASTM D5185m		998		
Zinc	ppm	ASTM D5185m		1219		
Sulfur	ppm	ASTM D5185m		4772		
CONTAMINANTS			linois/le e e e			
		method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>400	11		
Sodium	ppm	ASTM D5185m		1		
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	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
50:21) Rev: 1	Juanan	visual		ITLG		Bv: Chris Bower

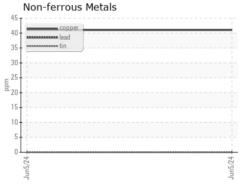


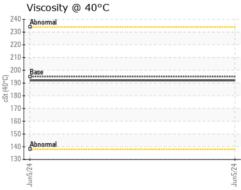
OIL ANALYSIS REPORT













Certificate 12367

Laboratory Sample No.

: WC0929524 Lab Number : 06203117 Unique Number : 11070578 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

Tested Diagnosed

: 07 Jun 2024 : 10 Jun 2024 : 10 Jun 2024 - Wes Davis

COVIA - LUGOFF - 023 1704 GILLIES CREEK ROAD LUGOFF, SC

US 29078

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

Submitted By: Chris Bowers

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)