

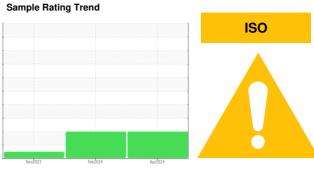
# **OIL ANALYSIS REPORT**

# MINING

# **ME-56 SHUTTLEWAGON SW-25 52513046A**

**Hydraulic System** 

CAT HYDO (--- GAL)



## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

All component wear rates are normal.

## Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### **Fluid Condition**

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0910929	WC0909656	WC0866104
Sample Date		Client Info		15 Apr 2024	28 Feb 2024	01 Nov 2023
Machine Age	hrs	Client Info		10300	10894	0
Oil Age	hrs	Client Info		150	1000	500
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	<1	1
Copper	ppm	ASTM D5185m	>75	<1	19	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		8	5	20
Calcium	ppm	ASTM D5185m		201	176	3006
Phosphorus	ppm	ASTM D5185m	1100	697	703	1070
Zinc	ppm	ASTM D5185m	1210	877	812	1292
Sulfur	ppm	ASTM D5185m		1923	1749	6703
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	0	<1	5
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	9602		803
Particles >6µm		ASTM D7647	>1300	<u>▲</u> 3054		184
Particles >14µm		ASTM D7647	>160	<b>248</b>		11
Particles >21µm		ASTM D7647	>40	<b>62</b>		2
Particles >38µm		ASTM D7647	>10	2		0
Particles >71µm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>^</u> 20/19/15		17/15/11
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045

0.94

1.69

Report Id: COVCAMTN [WUSCAR] 06159009 (Generated: 04/25/2024 14:44:45) Rev: 1

Contact/Location: TRACY KEE - COVCAMTN



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06159009 Unique Number : 10994432

: WC0910929 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 : 25 Apr 2024 Tested

Diagnosed : 25 Apr 2024 - Wes Davis

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)

Contact/Location: TRACY KEE - COVCAMTN

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