

OIL ANALYSIS REPORT



Sample Rating Trend







Area
Building 12
Cone 1
Component
Bulk Tank Lube System
Fluid
Mobilgear 629 (105 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

Elemental level of silicon (Si) above normal.

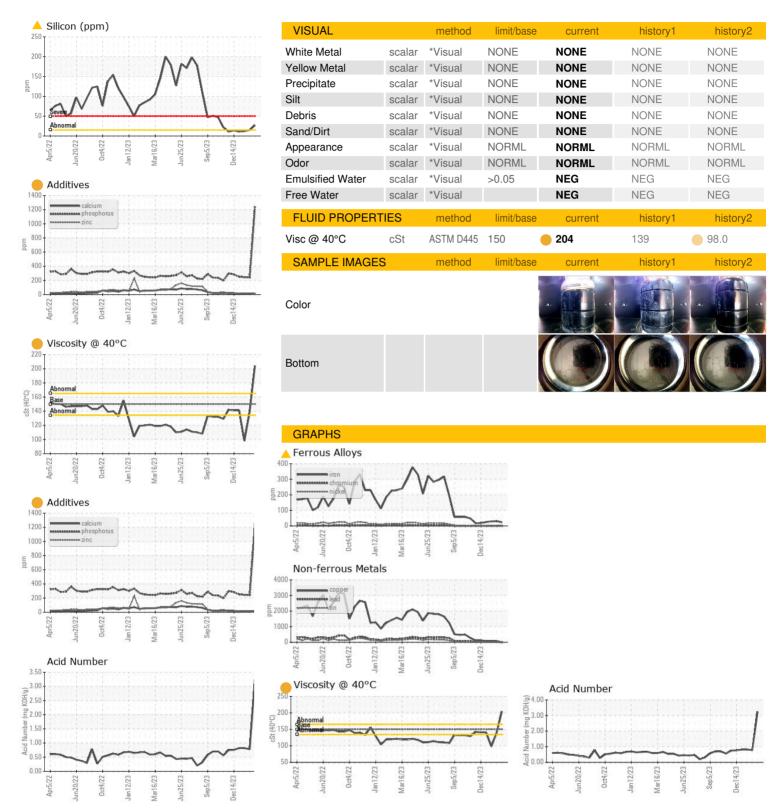
Fluid Condition

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0901956	WC0901928	WC0901963
Sample Date		Client Info		28 Feb 2024	24 Feb 2024	05 Feb 2024
Machine Age	hrs	Client Info		1340	1340	1340
Oil Age	hrs	Client Info		1340	1340	1340
Oil Changed		Client Info		Filtered	Filtered	Filtered
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	<u>^</u> 23	▲ 30	<u>^</u> 29
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	5	4
Lead	ppm	ASTM D5185m	>20	<1	18	19
Copper	ppm	ASTM D5185m	>20	8	<u>^</u> 74	<u></u> ▲ 65
Tin	ppm	ASTM D5185m	>20	<1	8	6
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		114	12	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		410	1	1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		4	6	6
Calcium	ppm	ASTM D5185m		13	15	15
Phosphorus	ppm	ASTM D5185m		<u> </u>	242	246
Zinc	ppm	ASTM D5185m		6	12	11
Sulfur	ppm	ASTM D5185m		28936	15721	15718
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<u> </u>	15	12
Sodium	ppm	ASTM D5185m		6	3	2
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		3.23	0.78	0.82



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Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0901956 : 06140079

Received : 05 Apr 2024 Tested : 08 Apr 2024

Diagnosed Unique Number : 10964887 : 08 Apr 2024 - Don Baldridge Test Package : IND 2

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

T: F:

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