

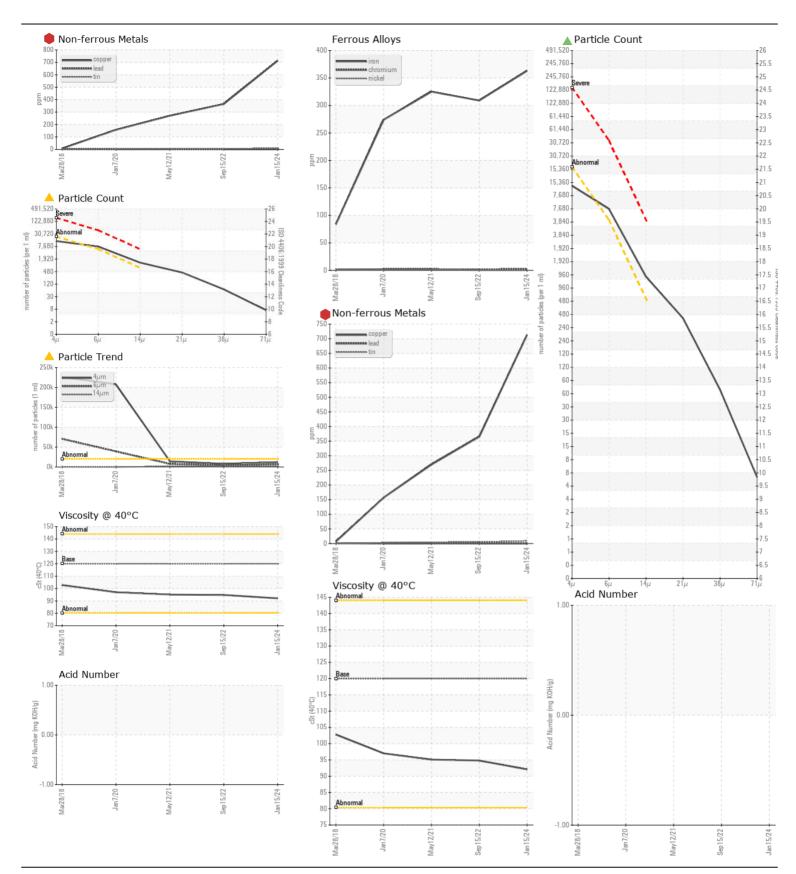
WEAR CONTAMINATION **FLUID CONDITION**

SEVERE ATTENTION NORMAL

Mobile Fleet Machine Id 8109 8109

Component

Front Differential MOBIL DELVAC 1 SYNTHETIC GEAR SAE 75\	NOO (5 GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	Liston/1	Lioton/2
TECOWINIENDATION	Sample Number	UOIVI	Client Info	LIIIIIUAUII	WC0861832	History1 WC0740699	History2 WC0579819
The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Date		Client Info		15 Jan 2024	15 Sep 2022	12 May 2021
	Machine Age	hrs	Client Info		12255	9473	6165
	Oil Age	hrs	Client Info		6090	3308	2940
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Not Changd	Ŭ	N/A
	Sample Status				SEVERE	ABNORMAL	ABNORMAI
WEAR	Iron	ppm	ASTM D5185m	>500	363	309	325
	Chromium	ppm	ASTM D5185m	>10	2	2	2
The copper level is severe. Bearing and/or bushing wear is indicated.	Nickel	ppm	ASTM D5185m	>10	0	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m	>25	<1	2	1
	Lead	ppm	ASTM D5185m	>25	0	0	<1
	Copper	ppm	ASTM D5185m	>100	1 713	<u> </u>	270
	Tin	ppm	ASTM D5185m	>10	9	5	4
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	66	36	72
	Potassium	ppm	ASTM D5185m	>20	0	0	4
There is a moderate amount of particulates present in the oil.	Water		WC Method		NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>20000	12232	7925	14280
	Particles >6µm		ASTM D7647	>5000	▲ 6663	4317	▲ 7779
	Particles >14μm		ASTM D7647	>640	1134	▲ 735	△ 1324
	Particles >21µm		ASTM D7647	>160	▲ 382	2 48	446
	Particles >38μm		ASTM D7647	>40	4 59	38	△ 69
	Particles >71μm		ASTM D7647	>10	6	4	7
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/20/17	2 0/19/17	<u>\</u> 21/20/18
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	3	7
	Boron	ppm	ASTM D5185m		246	271	245
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		<1	1	<1
	Manganese	ppm	ASTM D5185m		13	12	55
	Magnesium	ppm	ASTM D5185m		12	12	3
	Calcium	ppm	ASTM D5185m		39	45	32
	Phosphorus	ppm	ASTM D5185m		1269	1302	1321
	Zinc	ppm	ASTM D5185m		44	50	23
	Sulfur	ppm	ASTM D5185m		19467	25165	19278
	Visc @ 40°C	cSt	ASTM D445	120	92.1	94.8	95.1





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0861832 : 06065488

: 10836870

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 19 Jan 2024 Diagnosed : 23 Jan 2024

Diagnostician : Don Baldridge Test Package : CONST (Additional Tests: PrtCount)

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) **CAROLINA SUNROCK**

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