

WEAR CONTAMINATION FLUID CONDITION

SEVERE

ABNORMAL

NORMAL



Mobile Fleet 5215 5215

Front Differential

MOBIL MOBILTRANS HD 50 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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	Sample Number		Client Info		WC0919029	WC0861909	WC0867233
	Sample Date		Client Info		09 Apr 2024	29 Dec 2023	18 Oct 2023
resample to monitor this condition.	Machine Age	hrs	Client Info		12329	11759	11234
rocample to memor the condition.	Oil Age	hrs	Client Info		1119	1698	1137
	Filter Age	hrs	Client Info		0	1698	1137
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
	Sample Status				SEVERE	NORMAL	SEVERE
WEAR							
WEAR	Iron	ppm	ASTM D5185m		A 870	13	1 164
Gear wear is indicated.	Chromium	ppm	ASTM D5185m		3	<1	4
	Nickel	ppm	ASTM D5185m		4	0	4
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	1
	Aluminum	ppm	ASTM D5185m		5	2	6
	Lead	ppm	ASTM D5185m		1	0	2
	Copper	ppm	ASTM D5185m		70	1	86
	Tin	ppm	ASTM D5185m	>5	1	<1	2
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>100	20	4	26
There is a high amount of particulates present in the oil.	Potassium	ppm	ASTM D5185m	>20	1	<1	<1
	Water		WC Method	>.2	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>20000	20618	1383	<u></u> 24168
	Particles >6µm		ASTM D7647	>5000	11232	754	<u></u> 13166
	Particles >14μm		ASTM D7647	>640	1912	128	<u>^</u> 2241
	Particles >21µm		ASTM D7647	>160	4 644	43	<u></u> 4755
	Particles >38μm		ASTM D7647	>40	<u>^</u> 99	7	<u></u> 117
	Particles >71μm		ASTM D7647	>10	10	1	<u>12</u>
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u>^</u> 22/21/18	18/17/14	<u>22/21/18</u>
	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	nnm	ASTM D5185m		0	0	_1
FLOID CONDITION	Boron	ppm	ACTM DE105m		0	0	<1

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

Visc @ 40°C

Calcium

Zinc

Sulfur

The oil is no longer serviceable as a result of the abnormal and/or

severe wear.

0

0

10

2005

551

663

7682

191

2

0

4

7

17

3335

962

975

192

13004

ASTM D5185m

ASTM D445 195

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

cSt

41

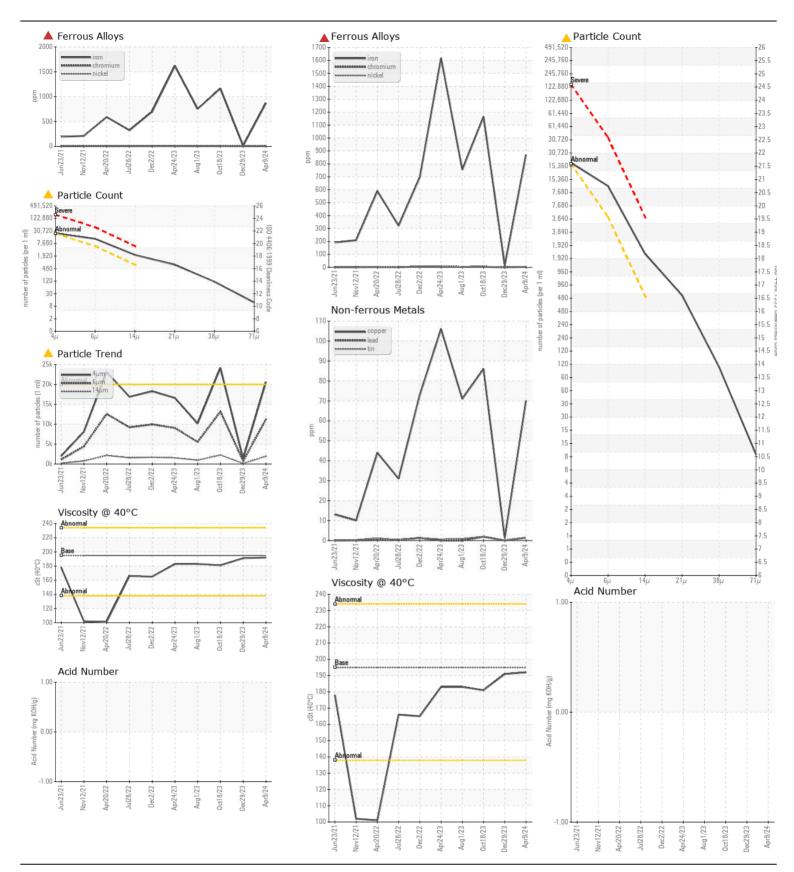
3332

929

1088

181

12851





Certificate L2367

Laboratory Sample No. **Lab Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0919029 : 06146513

Unique Number: 10976591

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

Test Package: CONST (Additional Tests: PrtCount)

Received **Tested** Diagnosed

: 11 Apr 2024 : 15 Apr 2024

: 15 Apr 2024 - Don Baldridge

BUTNER, NC US 27509 Contact: Leigh Dennis rdennis@thesunrockgroup.com

CAROLINA SUNROCK

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (919)575-4505 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)575-0162

PO BOX 25