

WEAR SEVERE CONTAMINATION ABNORMAL FLUID CONDITION NORMAL



RECOMMENDATION

Mobile Fleet 5215 5215 Component Front Differential

MOBIL MOBILTRANS HD 50 (--- GAL)

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

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Gear wear is indicated.

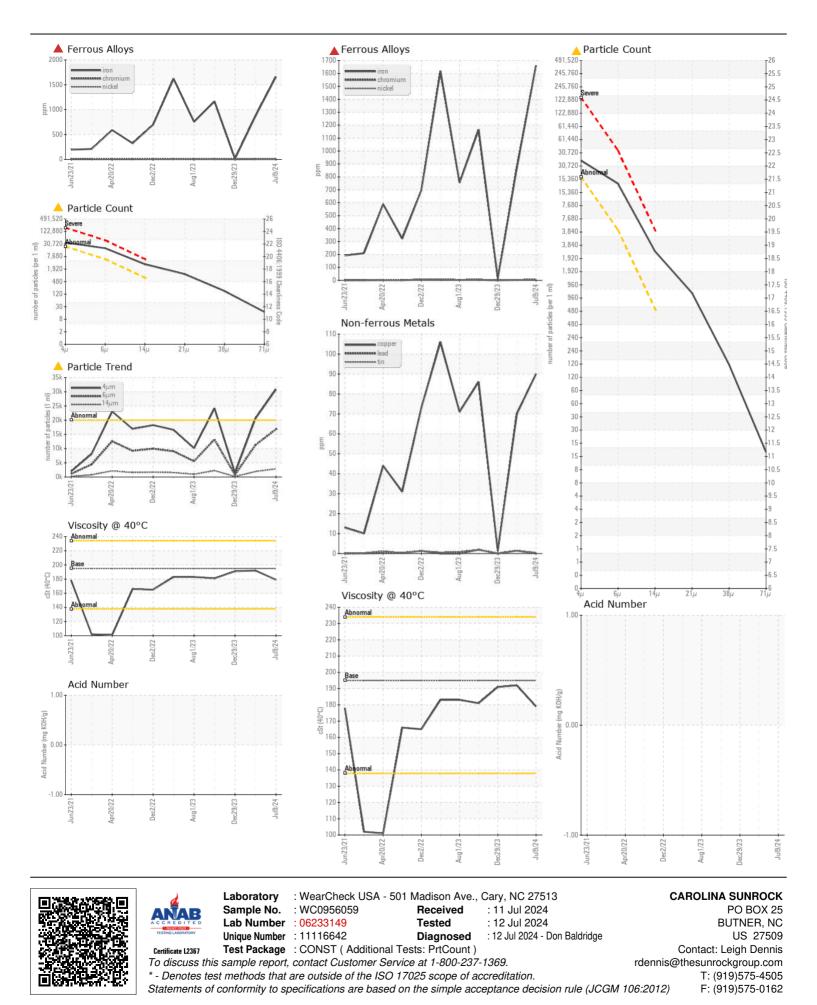
CONTAMINATION

There is a high amount of particulates present in the oil.

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0956059	WC0919029	WC0861909
Sample Date		Client Info		09 Jul 2024	09 Apr 2024	29 Dec 2023
Machine Age	hrs	Client Info		12932	12329	11759
Oil Age	hrs	Client Info		552	1119	1698
Filter Age	hrs	Client Info		552	0	1698
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				SEVERE	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>500	🔺 1661	8 70	13
Chromium	ppm	ASTM D5185m	>3	4	3	<1
Nickel	ppm	ASTM D5185m	>3	4	4	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>30	13	5	2
Lead	ppm	ASTM D5185m	>13	0	1	0
Copper	ppm	ASTM D5185m	>103	90	70	1
Tin	ppm	ASTM D5185m	>5	<1	1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
0'''			400	05	00	4
Silicon	ppm	ASTM D5185m	>100	35	20	4
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water		WC Method	>.2	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	A 30797	A 20618	1383
Particles >6µm		ASTM D7647	>5000	A 16777	▲ 11232	754
Particles >14µm		ASTM D7647	>640	A 2855	▲ 1912	128
Particles >21µm		ASTM D7647	>160	A 962	▲ 644	43
Particles >38µm		ASTM D7647	>40	<u> </u>	▲ 99	7
Particles >71µm		ASTM D7647	>10	1 5	10	1
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<u> </u>	▲ 22/21/18	18/17/14
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
Sodium	ppm	ASTM D5185m		2	0	0
Boron	ppm	ASTM D5185m		2	2	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	4	1
Manganese	ppm	ASTM D5185m		10	7	0
Magnesium	ppm	ASTM D5185m		37	17	10
Calcium	ppm	ASTM D5185m		3502	3335	2005
Phosphorus	ppm	ASTM D5185m		1007	962	551
Zinc	ppm	ASTM D5185m		1072	975	663
Sulfur	ppm	ASTM D5185m		14591	13004	7682
Visc @ 40°C	cSt	ASTM D445	195	179	192	191
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Contact/Location: Leigh Dennis - CARBUTNC Page 2 of 2