

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

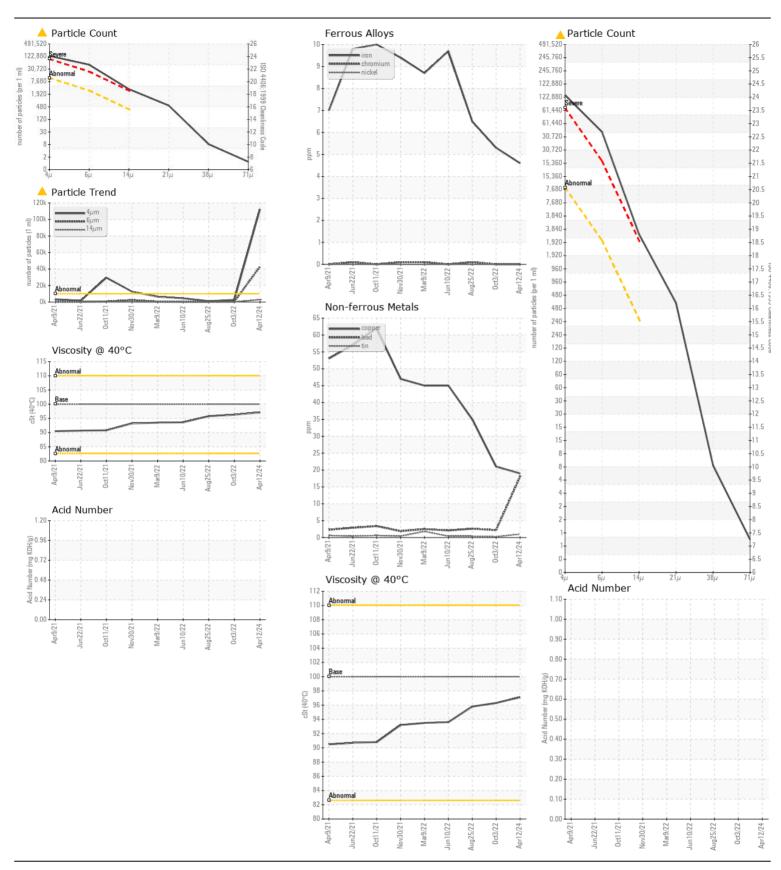


Mobile Fleet 5009 5009

Transmission (Auto)

MOBIL MOBILTRANS HD 30 (33 GAL)

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	MOBIL MOBILTRANS HD 30 (3	33 GAL)						
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Machine Age	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
the time of sampling has been noted. Resample at the next service interval to monitor. Machine Age	No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service	Sample Number		Client Info			WC0744828	WC0716717
Interval to monitor.		Sample Date		Client Info		12 Apr 2024	03 Oct 2022	25 Aug 2022
Oil Age hrs Client Info 1579 210 548 Filter Age hrs Client Info 1579 210 548 Oil Changed Client Info Not Changed Not Ch		Machine Age	hrs	Client Info		14974	11484	11298
		Oil Age	hrs	Client Info		1579	210	548
Filtor Changed Changed Changed Changed Changed Changed Sample Status Changed RamORMAL NORMAI N		Filter Age	hrs	Client Info		1579	210	548
Name		Oil Changed		Client Info		Not Changd	Not Changd	Changed
Iron		Filter Changed		Client Info		Changed	Changed	Changed
Chromium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 10 1 4 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 10 1 4 ASTMD6188 5 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 0 0 ASTMD6188 5 0 0		Sample Status				ABNORMAL	NORMAL	NORMAL
Chromium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 Titanium ppm ASTMD6188 5 0 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 10 1 4 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 10 1 4 ASTMD6188 5 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 0 0 ASTMD6188 5 0 18 2 3 ASTMD6188 5 0 0 0 ASTMD6188 5 0 0	WEAR	Iron	ppm	ASTM D5185m	>160	5	5	6
Nickel ppm ASTM D5185m 55 0 0 0 0 0 0 0 0		Chromium		ASTM D5185m	>5	0	0	<1
Titanium ppm ASTM D5185m 5.5 <1 <1 3 3 3 3 3 3 3 3 3	All component wear rates are normal.			ASTM D5185m	>5	0	0	0
Silver ppm ASTM D5185m >50 <1 2 3 1 2 3 1 2 3 3 2 3 3 3 3 3 3		Titanium	• • •	ASTM D5185m		0	0	0
Aluminum ppm ASTM D5185m 50 c1 2 1					>5	<1	<1	3
Lead ppm ASTM D5185m >50 18 2 3 35 Tin ppm ASTM D5185m >225 19 21 35 Tin ppm ASTM D5185m >220 0 0 0 White Metal scalar Visual NONE NONE NONE NONE NONE NONE There is a high amount of particulates present in the fluid. Silicon ppm ASTM D5185m >20 6 7 6 Patricles >4µm ASTM D5185m >20 0 1 0 Water WC Method >0 1 0 Patricles >6µm ASTM D7647 >2500 4 2819 359 144 Patricles >21µm ASTM D7647 >2500 4 2819 359 144 Patricles >21µm ASTM D7647 >20 2 2 0 Patricles >71µm ASTM D7647 >20 7 2 0 Patricles >71µm ASTM D7647 >20 7 2 0 Patricles >71µm ASTM D7647 >20 7 2 0 Patricles >71µm ASTM D7647 >40 1 2 0 Oil Cleanliness Scalar Visual NONE NONE NONE NONE Appearance scalar Visual NONE NONE NONE NONE Appearance scalar Visual NONE NON		Aluminum		ASTM D5185m	>50			
Copper		Lead						3
Tin								
Vanadium ppm ASTM D518sm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							1	
White Metal Scalar Visual NONE N			• • •					
Silicon ppm ASTM D5185m >20 6 7 6 NONE N					NONE		NONE	NONE
Potassium ppm ASTM D5885m ≥20 0 1 0 0 NEG NE								NONE
Potassium ppm ASTM D5885m ≥20 0 1 0 0 NEG NE								
Water	CONTAMINATION	Silicon	ppm			6	7	
Particles >4μm ASTM D7647 10000	There is a high amount of particulates present in the fluid		ppm	ASTM D5185m	>20	0	1	
Particles >6µm ASTM D7647 >2500	There is a night amount of particulates present in the hulu.							
Particles >14 µm						<u> </u>	2652	
Particles >21 µm								
Particles >39μm		•					1	
Particles >71 μm								
Oil Cleanliness ISO 4406 (c) ≥2018/15 △ 24/23/19 19/16/12 17/14/15								
Silt Scalar *Visual NONE NORM NORML NOR								
Debris Scalar *Visual NONE NORML NORML							1	
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML								
Appearance Scalar *Visual NORML NORM						1		
NORML NORML NORML Emulsified Water scalar *Visual *Visual >0.1 NEG NEG								
Emulsified Water scalar *Visual >0.1 NEG NEG NEG						1		
Sodium ppm ASTM D5185m 3 0 2								
Boron ppm ASTM D5185m 0 0 0 <1		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Boron ppm ASTM D5185m 0 0 0 <1	FLUID CONDITION	Sodium	mag	ASTM D5185m		3	0	2
Barium ppm ASTM D5185m 0 0 0 <1								
Molybdenum ppm ASTM D5185m 2 1 2 Manganese ppm ASTM D5185m 0 <1 <1 Magnesium ppm ASTM D5185m 18 32 35 Calcium ppm ASTM D5185m 3041 3423 3299 Phosphorus ppm ASTM D5185m 742 908 932 Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07	The condition of the fluid is acceptable for the time in service.						1	
Manganese ppm ASTM D5185m 0 <1 <1 Magnesium ppm ASTM D5185m 18 32 35 Calcium ppm ASTM D5185m 3041 3423 3299 Phosphorus ppm ASTM D5185m 742 908 932 Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07								
Magnesium ppm ASTM D5185m 18 32 35 Calcium ppm ASTM D5185m 3041 3423 3299 Phosphorus ppm ASTM D5185m 742 908 932 Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07		•					1	
Calcium ppm ASTM D5185m 3041 3423 3299 Phosphorus ppm ASTM D5185m 742 908 932 Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07		_						
Phosphorus ppm ASTM D5185m 742 908 932 Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 1011 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07		•						
Zinc ppm ASTM D5185m 868 1101 1125 Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07								
Sulfur ppm ASTM D5185m 10111 11898 9344 Acid Number (AN) mg KOH/g ASTM D8045 1.07						1		
Acid Number (AN) mg KOH/g ASTM D8045 1.07								
							1	
		. ,			100			





Certificate L2367

Report Id: CARBUTNC [WUSCAR] 06150200 (Generated: 04/18/2024 19:00:39) Rev: 1

Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0919096 : 06150200

Unique Number : 10980278

Received **Tested**

Diagnosed Test Package : CONST (Additional Tests: PrtCount)

: 16 Apr 2024

: 18 Apr 2024 : 18 Apr 2024 - Don Baldridge

CAROLINA SUNROCK PO BOX 25 BUTNER, NC US 27509 Contact: Leigh Dennis rdennis@thesunrockgroup.com

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.

T: (919)575-4505 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (919)575-0162