

WEAR CONTAMINATION **FLUID CONDITION**

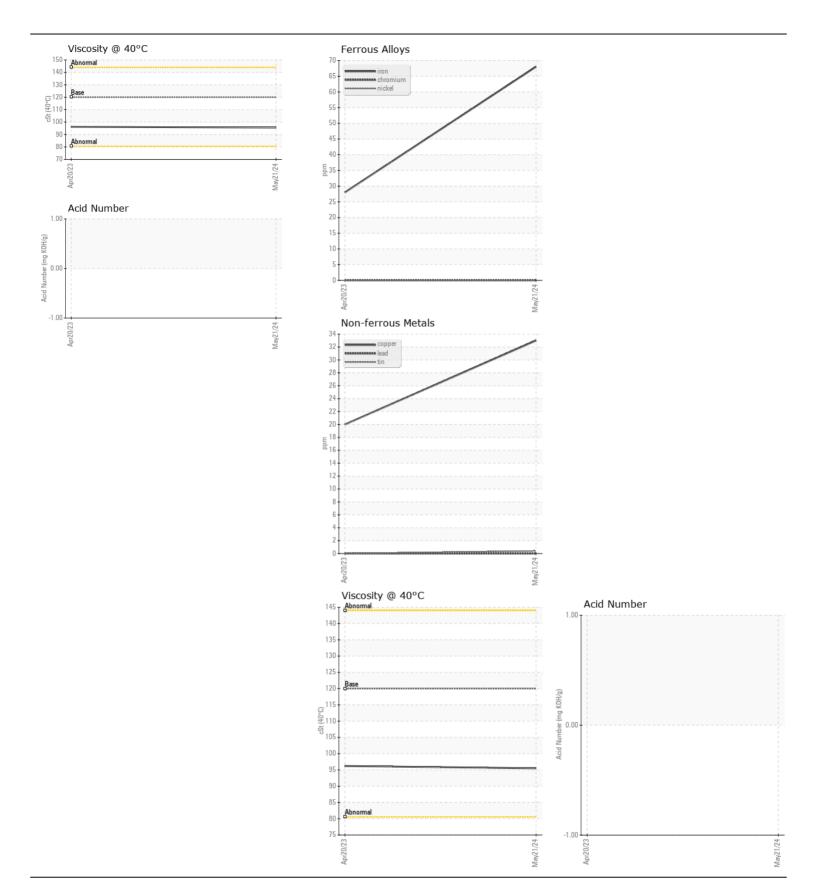
NORMAL ABNORMAL NORMAL

Mobile Fleet

6466 6466

Component Front Differential

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0939354	WC0808429	
Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Sample Date		Client Info		21 May 2024	20 Apr 2023	
	Machine Age	hrs	Client Info		2159	71	
	Oil Age	hrs	Client Info		2081	71	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				ABNORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>500	68	28	
	Chromium	ppm	ASTM D5185m		0	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	<1	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m	>100	33	20	
	Tin	ppm	ASTM D5185m	>10	<1	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	-75	16	11	
ONTAWINATION	Potassium	ppm	ASTM D5185m		3	1	
Moderate concentration of visible dirt/debris present in the oil.	Water	ppm	WC Method		NEG	NEG	
	Particles >4µm		ASTM D7647			966	
	Particles >6µm		ASTM D7647			526	
	Particles >14µm		ASTM D7647			90	
	Particles >21µm		ASTM D7647			30	
	Particles >38µm		ASTM D7647			5	
	Particles >71µm		ASTM D7647			0	
	Oil Cleanliness		ISO 4406 (c)			17/16/14	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	▲ MODER	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	
LUID CONDITION	Sodium	nnm	ASTM D5185m		7	6	
LOID GONDITION	Boron	ppm	ASTM D5185m		289	303	
The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		0	<1	
	Manganese	ppm	ASTM D5185m		14	14	
	Magnesium	ppm	ASTM D5185m		4	0	
	Calcium	ppm	ASTM D5185m		8	4	
	Phosphorus	ppm	ASTM D5185m		1496	1538	
	Zinc	ppm	ASTM D5185m		8	0	
	Sulfur	ppm	ASTM D5185m		28405	25056	
	Visc @ 40°C	cSt	ASTM D3103III		95.5	96.2	







Certificate L2367

Laboratory Sample No.

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

: WC0939354 Lab Number : 06190931 Unique Number : 11047683

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

Test Package : CONST (Additional Tests: PrtCount)

Received : 24 May 2024 **Tested** Diagnosed

: 29 May 2024

: 29 May 2024 - Don Baldridge

US 27509 Contact: Leigh Dennis rdennis@thesunrockgroup.com T: (919)575-4505

* - 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)

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CAROLINA SUNROCK