

WEAR CONTAMINATION **FLUID CONDITION**

NORMAL ATTENTION NORMAL

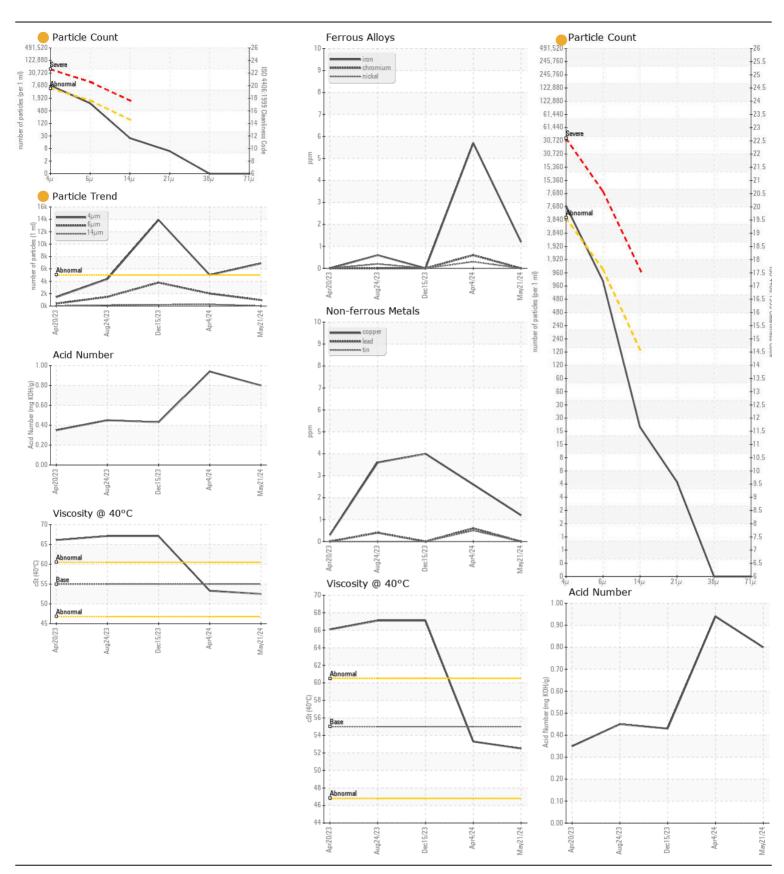
Mobile Fleet

6466 6466

Hydraulic System

MORIL MORII FI LIID 424 (20 GAL)

Test	MOBIL MOBILFLUID 424 (20 GAL)							
No corrective action is recommended at this time. Oil and filter changes at the time of sampling has been noted. Resample at the next service interval to monitor. Machine Age Inst Client Info 2159 1897 1925 1925 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 1926 19	RECOMMENDATION	Test	HOM	Method	I imit/∆hn	Current	History1	History2
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Sample Date Client Info 21 May 2024 10 Sec. 2025 1387 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385 1385	HEOOMINIENDATION		OOW		LITTIU/ NOTI		,	
Machine Age Install	at the time of sampling has been noted. Resample at the next service	•						
Oil Age hrs Client Info 834 662 1247		·	hrs			-		
Filter Age Pitter Changed Client Info Changed Changed Client Info Changed Change		•						
Oil Changed Cilent Info Changed Cilent Info Changed Not Changed								
Filter Changod Sample Status		•	0					
Name		-					Ü	Ü
All component wear rates are normal. Chromium ppm stimulosis 10 0 <1 0 0 0 0 0 0 0 0 0						_	-	
All component wear rates are normal. Chromium ppm ppm ASTM D6185m 10 0 <1 0 0 0 0 0 0 0 0 0	WEAR	Iron	maa	ASTM D5185m	>20	1	6	0
Nicke ppm ASTM D5185m 10 0 <1 0								
Titanium ppm ASTM DS185m 0	All component wear rates are normal.							
Silver ppm ASTMD5185m >10 <1 2 0 Lead ppm ASTMD5185m >10 <1 2 0 Lead ppm ASTMD5185m >10 0 <1 0 Copper ppm ASTMD5185m >10 0 <1 0 Copper ppm ASTMD5185m >10 0 <1 0 Vanadium ppm ASTMD5185m >10 0 <1 0 Value Visual NONE								
Aluminum ppm ASTM DS185m >10								
Lead ppm ASTM D5185m > 10 0 <1 0 0 <1 0 0					>10			
Copper								
Tin								
Vanadium ppm ASTM D5185m NONE NON								
White Metal Yellow Metal NoNE NONE NONE NONE NONE NONE NONE NONE					710			
Yellow Metal Scalar *Visual NONE					NONE			
Silicon ppm ASTM D5185m >20 8 9 2								
Potassium ppm ASTM D5185m 20 0 2 0 0 0 0 0 0								
Potassium ppm ASTM D5185m 20 0 2 0 0 0 0 0 0	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	8	9	2
Particles >4μm ASTM D7647 5000 6878 5018 13904 Particles >6μm ASTM D7647 5000 6878 5018 13904 Particles >14μm ASTM D7647 5000 5878 5018 13904 Particles >14μm ASTM D7647 5100 21 269 223 Particles >21μm ASTM D7647 5100 5 85 58 Particles >21μm ASTM D7647 5100 5 5 Particles >71μm ASTM D7647 5100 5 5 Particles >71μm ASTM D7647 5100 0 5 5 Particles >71μm ASTM D7647 5100 0 5 5 Particles >71μm ASTM D7647 5100 0 0 1 Oil Cleanliness ISO 4406 (c) 51917/14 20/18/15 21/19/15 Silt Scalar *Visual NONE N	There is a moderate amount of silt (particulates < 14 microns in size)	Potassium	ppm	ASTM D5185m	>20	0	2	0
Particles >4µm		Water		WC Method	>0.1	NEG	NEG	NEG
Particles >14µm		Particles >4µm		ASTM D7647	>5000	6878	5018	13904
Particles >21 \(\mu \) ASTM D7647 >40 5 85 \times 5 5 6 85 5 5 6 85 5 6 85 5 6 85 5 6 85 5 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 6 85 85		Particles >6µm		ASTM D7647	>1300	957	2015	<u></u> 3784
Particles > 38µm		Particles >14μm		ASTM D7647	>160	21	269	<u>^</u> 223
Particles >71 µm		Particles >21µm		ASTM D7647	>40	5	85	<u></u> 58
Oil Cleanliness So 4406 (c) >1917/14 ○ 20/17/12 ○ 20/18/15 △ 21/19/15 Silt scalar *Visual NONE NORML NOR		Particles >38μm		ASTM D7647	>10	0	5	5
Silt scalar *Visual NONE NORML NORM		Particles >71μm		ASTM D7647	>3	0	0	1
Debris Scalar *Visual NONE NORML NO		Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u>20/17/12</u>	0 20/18/15	1 21/19/15
Sand/Dirt Scalar *Visual NONE NONE NONE NONE Appearance Scalar *Visual NORML N		Silt	scalar		NONE	NONE	NONE	NONE
Appearance Scalar *Visual NORML NORM		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odor Scalar *Visual NORML NEG NE		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.1 NEG NEG NEG		Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 119 97 <1		Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 119 97 <1		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Boron ppm ASTM D5185m 119 97 <1	FLUID CONDITION	Sodium	nnm	ASTM D5185m		-1	<i>-</i> 1	0
Barium ppm ASTM D5185m Q 0 0 0	TEGID GONDITION							
Acid Number (AN) mg KOH/g ASTM D5185m 21 23 0 Molybdenum ppm ASTM D5185m 21 23 0 Manganese ppm ASTM D5185m 21 21 0 Magnesium ppm ASTM D5185m 47 47 <1 Calcium ppm ASTM D5185m 2821 2747 75 Phosphorus ppm ASTM D5185m 1001 908 329 Zinc ppm ASTM D5185m 1237 1224 436 Sulfur ppm ASTM D5185m 7420 6417 873 Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43	•							
Manganese ppm ASTM D5185m <1								
Magnesium ppm ASTM D5185m 47 47 <1		•						
Calcium ppm ASTM D5185m 2821 2747 75 Phosphorus ppm ASTM D5185m 1001 908 329 Zinc ppm ASTM D5185m 1237 1224 436 Sulfur ppm ASTM D5185m 7420 6417 873 Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43		-						
Phosphorus ppm ASTM D5185m 1001 908 329 Zinc ppm ASTM D5185m 1237 1224 436 Sulfur ppm ASTM D5185m 7420 6417 873 Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43		-						
Zinc ppm ASTM D5185m 1237 1224 436 Sulfur ppm ASTM D5185m 7420 6417 873 Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43								
Sulfur ppm ASTM D5185m 7420 6417 873 Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43								
Acid Number (AN) mg KOH/g ASTM D8045 0.80 0.94 0.43								
		. ,			55			





Certificate L2367

Report Id: CARBUTNC [WUSCAR] 06190937 (Generated: 05/29/2024 18:40:59) Rev: 1

Laboratory Sample No. Lab Number : 06190937

: WC0939356 Unique Number: 11047689 Test Package : CONST

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

Diagnosed

: 24 May 2024 : 29 May 2024

: 29 May 2024 - Don Baldridge

CAROLINA SUNROCK PO BOX 25 BUTNER, NC US 27509 Contact: Leigh Dennis

rdennis@thesunrockgroup.com T: (919)575-4505

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) F: (919)575-0162