

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

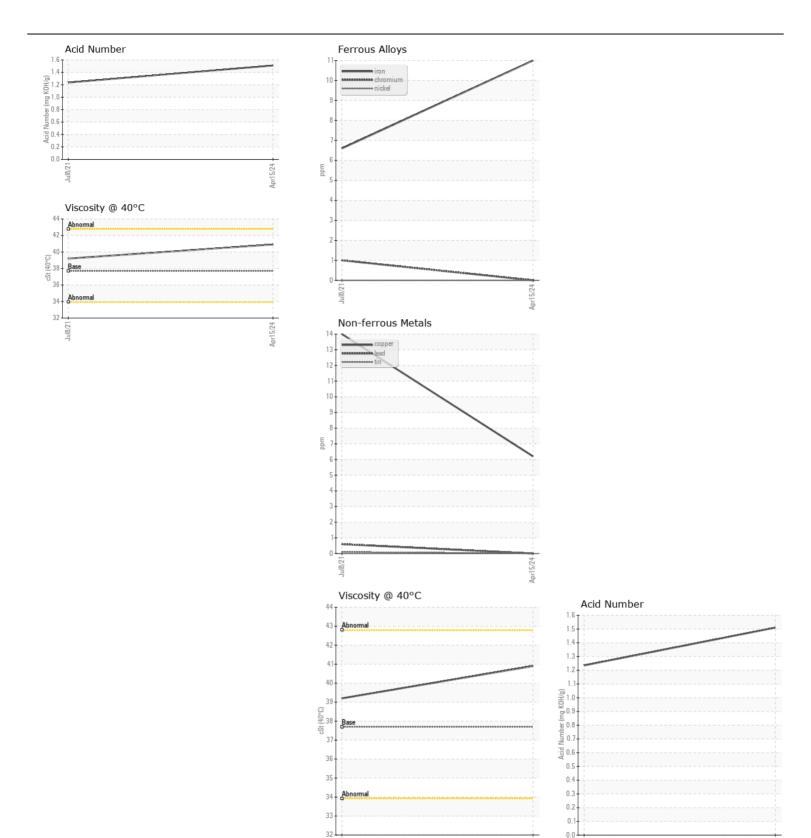


Mobile Fleet
Machine Id
5213 5213
Component

Hydraulic System

MOBIL HYDRAULIC 10W (50 GAL)

MOBIL HYDRAULIC 10W (50 GAL)							
RECOMMENDATION 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. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LIIII07 (OII	WC0919053	WC0596452	
	Sample Date		Client Info		15 Apr 2024	08 Jul 2021	
	Machine Age	hrs	Client Info		6538	3480	
	Oil Age	hrs	Client Info		1698	1087	
	Filter Age	hrs	Client Info		1698	1087	
	Oil Changed	0	Client Info		Not Change	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ABNORMAL	NORMAL	
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>20	11	7	
	Chromium	ppm	ASTM D5185m	>10	0	1	
	Nickel	ppm	ASTM D5185m	>10	0	0	
	Titanium	ppm	ASTM D5185m		0	<1	
	Silver	ppm	ASTM D5185m		0	<1	
	Aluminum	ppm	ASTM D5185m	>10	0	0	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m		6	14	
	Tin	ppm	ASTM D5185m	>10	0	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	LIGHT	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	. 20	3	3	
CONTAMINATION	Potassium	ppm	ASTM D5185m		3 12	ა <1	
Moderate concentration of visible dirt/debris present in the oil.	Water	ppiii		>0.1	NEG	NEG	
	Particles >4µm		ASTM D7647			1578	
	Particles >6μm		ASTM D7647			287	
	Particles >14μm		ASTM D7647			14	
	Particles >21μm		ASTM D7647			2	
	Particles >38µm		ASTM D7647			0	
	Particles >71µm		ASTM D7647	>3		0	
	Oil Cleanliness		ISO 4406 (c)			18/15/11	
	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	>0.1	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	1	
The AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		<1	4	
suitable for further service.	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		4	1	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m		605	526	
	Calcium	ppm	ASTM D5185m		65	101	
	Phosphorus	ppm	ASTM D5185m		941	910	
	Zinc	ppm	ASTM D5185m		1029	1077	
	Sulfur	ppm	ASTM D5185m		6251	4679	
	Acid Number (AN)	mg KOH/g	ASTM D8045	27 7	1.51	1.235	
	Visc @ 40°C	cSt	ASTM D445	37.7	40.9	39.2	







Certificate L2367

Laboratory Sample No.

: WC0919053 Lab Number : 06151862 Unique Number : 10981940 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 19 Apr 2024

Diagnosed

: 19 Apr 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