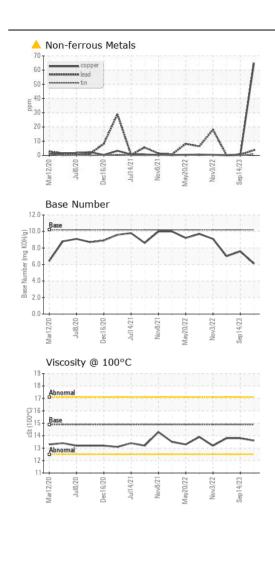
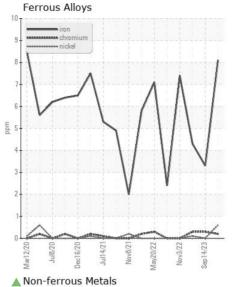
WEAR CONTAMINATION **FLUID CONDITION** **ATTENTION NORMAL NORMAL**

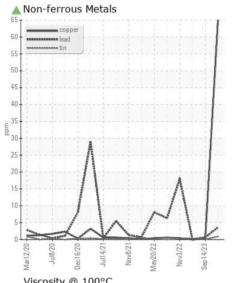
PATSY J

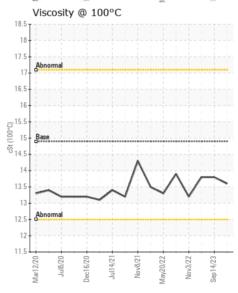
Component
Starboard Genset

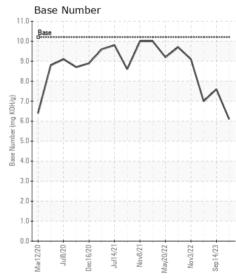
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		MW0060483	MW0060638	MW006049
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jan 2024	14 Sep 2023	06 Jul 202
	Machine Age	hrs	Client Info		17074	0	0
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>50	8	3	4
An increase in the copper level is noted. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>2	<1	0	<1
	Titanium	ppm	ASTM D5185m		16	14	11
	Silver	ppm	ASTM D5185m	>5	0	0	0
	Aluminum	ppm	ASTM D5185m	>12	2	3	2
	Lead	ppm	ASTM D5185m	>17	4	<1	0
	Copper	ppm	ASTM D5185m	>70	65	<1	0
	Tin	ppm	ASTM D5185m	>15	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	5	5
	Potassium	ppm	ASTM D5185m	>20	4	2	3
There is no indication of any contamination in the oil.	Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
	Water		WC Method	>0.1	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.0	10.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	18.0	17.2
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
<u></u>	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		5	2	2
The DN regult indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		49	89	165
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		13	0	0
	Molybdenum	ppm	ASTM D5185m		32	43	59
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		635	737	786
	Calcium	ppm	ASTM D5185m		1413	1614	1750
	Phosphorus	ppm	ASTM D5185m		576	706	772
	Zinc	ppm	ASTM D5185m	1270	726	876	902
	Sulfur	ppm	ASTM D5185m	0.5	3008	3709	4209
	Oxidation	Abs/.1mm	*ASTM D7414		16.2	13.3	12.7
	Base Number (BN)	mg KOH/g	ASTM D2896		6.1	7.6	7.0













Laboratory Sample No.

: MW0060483 Lab Number : 06085754 Unique Number : 10873199 Test Package : MAR 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 12 Feb 2024 Received **Tested**

: 12 Feb 2024 Diagnosed

: 13 Feb 2024 - Don Baldridge

ERGON MARINE 100 LEE STREET VICKSBURG, MS

US 39180 Contact: JOHNNY GERACHE

johnny.gerache@ergon.com

T: (601)636-6552 F: (601)636-6173

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)

Report Id: ERGVIC [WUSCAR] 06085754 (Generated: 02/13/2024 11:31:16) Rev: 1

Contact/Location: JOHNNY GERACHE - ERGVIC