



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**STBD GEARBOX**  
 Component  
**Starboard Gearbox**  
 Fluid  
**Mobilgear 629 (850 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MAR 2 test kits, this testkit includes AN to determine the suitability of the oil for continued use.

## WEAR

All component wear rates are normal.

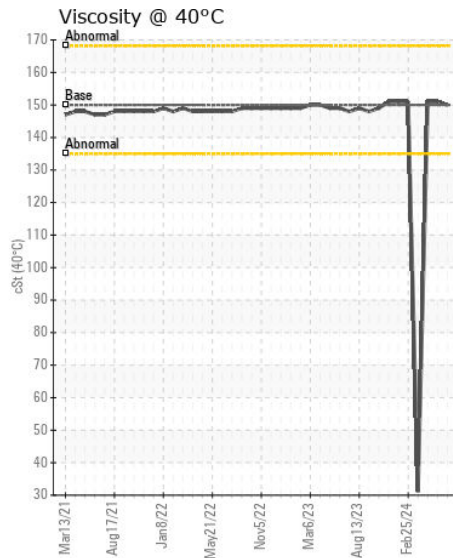
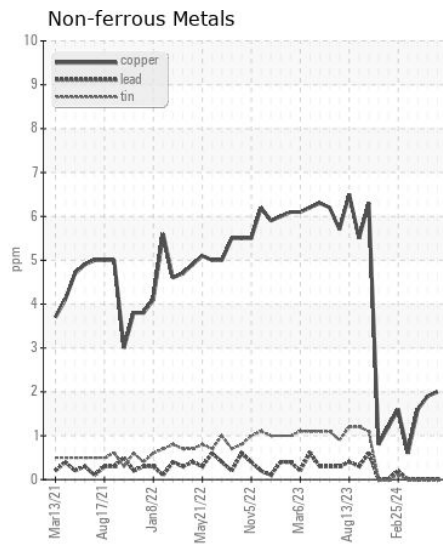
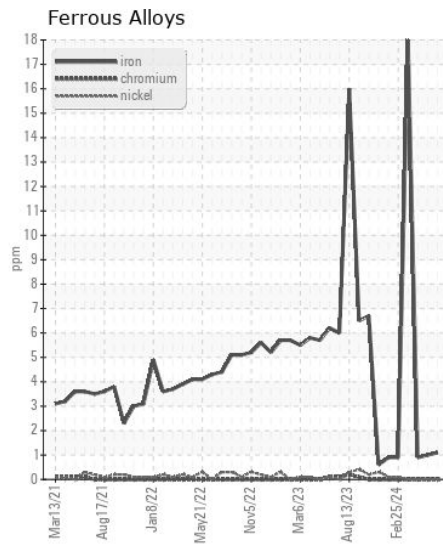
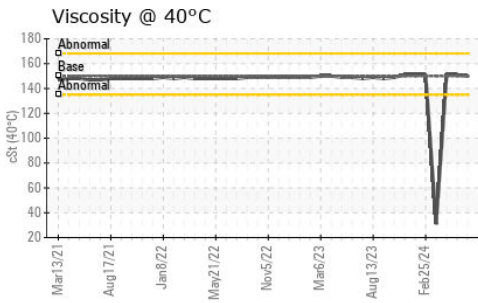
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The condition of the oil is acceptable for the time in service (unconfirmed).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0926686</b>	WC0803099	WC0803039
Sample Date		Client Info		<b>19 May 2024</b>	20 Apr 2024	23 Mar 2024
Machine Age	hrs	Client Info		<b>45989</b>	45685	45104
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL
<hr/>						
Iron	ppm	ASTM D5185(m)	>150	<b>1</b>	1	<1
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>65	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>80	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
<hr/>						
Silicon	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
<hr/>						
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	0
Boron	ppm	ASTM D5185(m)		<b>10</b>	18	13
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>5</b>	3	3
Phosphorus	ppm	ASTM D5185(m)		<b>329</b>	335	320
Zinc	ppm	ASTM D5185(m)		<b>5</b>	4	4
Sulfur	ppm	ASTM D5185(m)		<b>11632</b>	12007	11458
Visc @ 40°C	cSt	ASTM D7279(m)	150	<b>150</b>	151	151



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0926686  
**Lab Number** : 02638273  
**Unique Number** : 5787435  
**Test Package** : MAR 1  
**Received** : 28 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Wes Davis

**Siem Offshore Canada LP.**  
 M/V Avalon Sea, 140 WATER STREET SUITE 1000  
 ST. JOHN'S, NL  
 CA A1C 6H6  
 Contact: Avalon Sea  
 ecr@avalonsea.siemoffshore.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

T:  
F: