



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
STBD STERNTUBE
Component
Starboard Sterntube
Fluid
MOBIL MOBILGEAR 600 XP ISO100 (2288 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

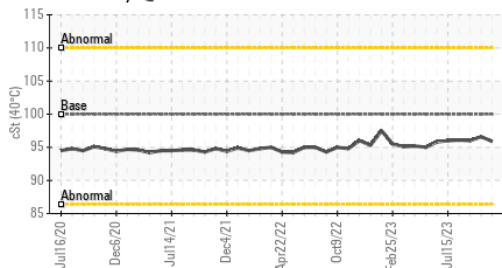
There is no indication of any contamination in the oil.

FLUID CONDITION

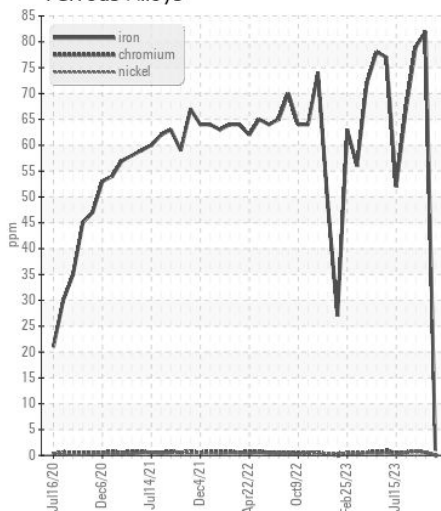
The condition of the oil is acceptable for the time in service (unconfirmed).

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0803073	WC0684709	WC0802977
Sample Date		Client Info		31 Dec 2023	04 Oct 2023	09 Sep 2023
Machine Age	hrs	Client Info		43766	42901	42561
Oil Age	hrs	Client Info		100	0	42561
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		None	None	None
Sample Status				NORMAL	SEVERE	ABNORMAL
Iron	ppm	ASTM D5185(m)	>15	1	▲ 82	▲ 79
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>8	0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>4	<1	1	1
Lead	ppm	ASTM D5185(m)	>15	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>25	<1	8	7
Tin	ppm	ASTM D5185(m)	>10	0	2	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>25	0	4	1
Potassium	ppm	ASTM D5185(m)	>20	1	3	4
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	▲ .5%	▲ .2%
Sodium	ppm	ASTM D5185(m)		3	65	64
Boron	ppm	ASTM D5185(m)		10	2	2
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		<1	10	10
Calcium	ppm	ASTM D5185(m)		2	11	11
Phosphorus	ppm	ASTM D5185(m)		343	270	300
Zinc	ppm	ASTM D5185(m)		3	11	11
Sulfur	ppm	ASTM D5185(m)		12576	11571	11659
Visc @ 40°C	cSt	ASTM D7279(m)	100	95.9	96.6	96.0

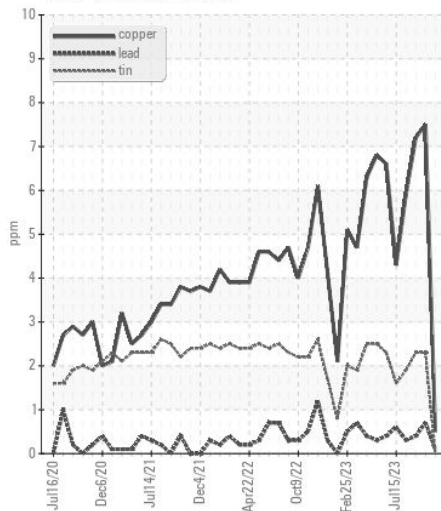
Viscosity @ 40°C



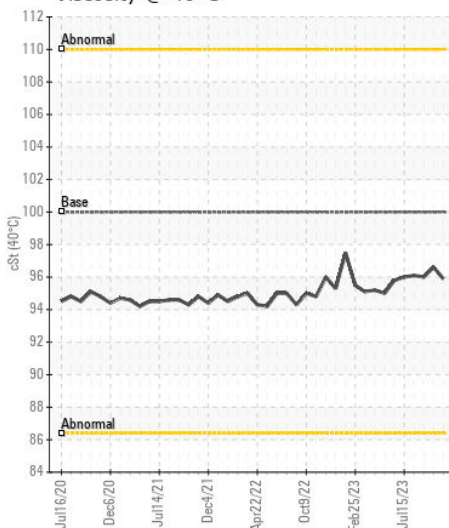
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0803073
Lab Number : 02607315
Unique Number : 5708401
Test Package : MAR 1

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.

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F: