



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

SAFETY LEGEND

Component

Starboard Reduction Gear

Fluid

CHEVRON URSA SUPER PLUS 40 (8 GAL)

RECOMMENDATION

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		MW0059624	MW0064253	MW0064239
Sample Date		Client Info		01 Jul 2024	25 Mar 2024	11 Jan 2024
Machine Age	hrs	Client Info		26265	26014	25918
Oil Age	hrs	Client Info		335	84	1118
Filter Age	hrs	Client Info		335	84	1118
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR

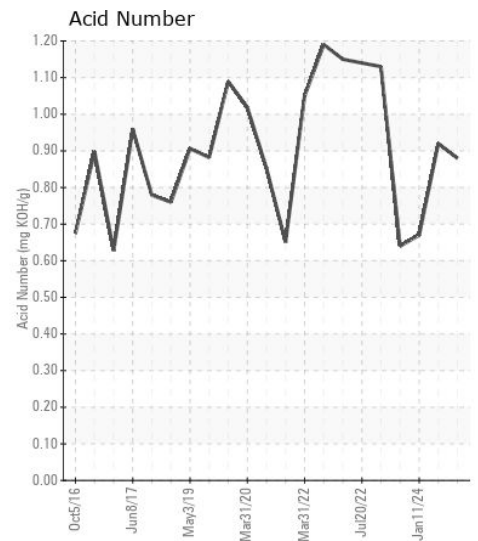
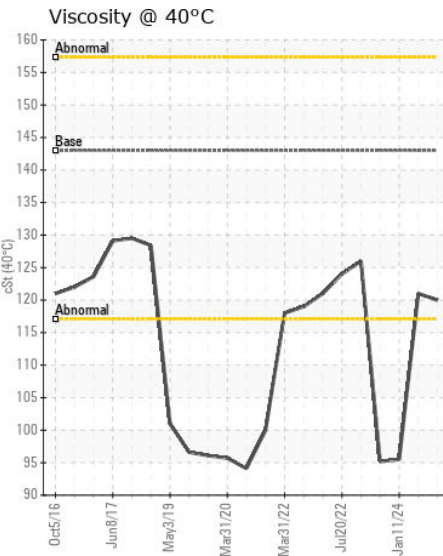
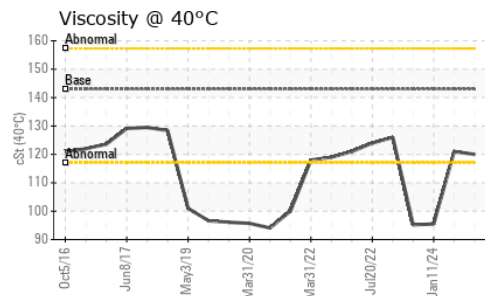
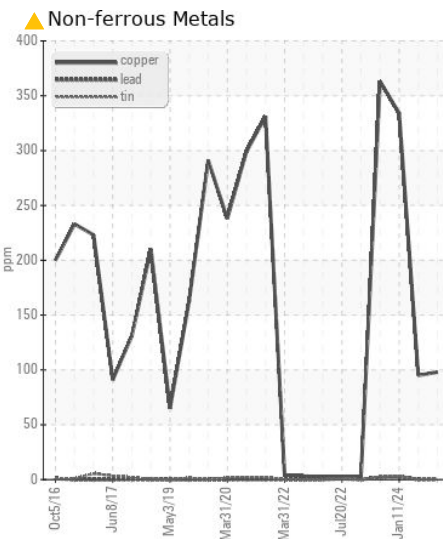
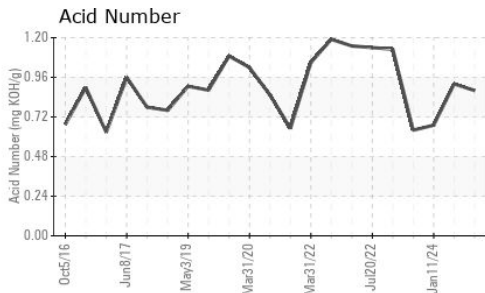
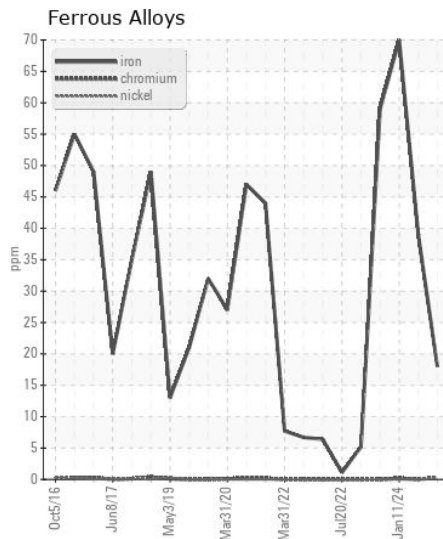
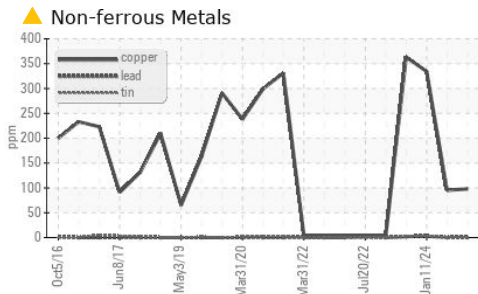
Iron	ppm	ASTM D5185m	>150	18	39	70
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>100	<1	0	3
Copper	ppm	ASTM D5185m	>50	▲ 98	▲ 95	▲ 334
Tin	ppm	ASTM D5185m	>10	1	<1	3
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	>50	5	5	8
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

Sodium	ppm	ASTM D5185m		0	2	1
Boron	ppm	ASTM D5185m		343	321	331
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		43	42	85
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		69	82	248
Calcium	ppm	ASTM D5185m		2289	2373	1864
Phosphorus	ppm	ASTM D5185m	1000	688	673	732
Zinc	ppm	ASTM D5185m	1090	800	804	836
Sulfur	ppm	ASTM D5185m		2860	3172	2808
Acid Number (AN)	mg KOH/g	ASTM D8045		0.88	0.92	0.67
Visc @ 40°C	cSt	ASTM D445	143	120	121	95.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MW0059624
Lab Number : 06230315
Unique Number : 11113808
Test Package : MAR 2

Received : 08 Jul 2024
Tested : 09 Jul 2024
Diagnosed : 10 Jul 2024 - Don Baldrige

MARITIME COMPANY
 3802 PORT RIVER RD
 PASCAGOULA, MS
 US 39567

Contact: MARK KOPSYWA
 mark.kopszywa@signetmaritime.com

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)

T: (228)769-0629