

# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**STEERING GEAR**

Component  
**Steering**

Fluid  
**AW HYDRAULIC OIL ISO 32 (--- LTR)**

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

**Wear**

All component wear rates are normal.

**Contamination**

There is no indication of any contamination in the fluid.

**Fluid Condition**

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WA0019257</b>	---	---
Sample Date	Client Info			<b>23 Dec 2023</b>	---	---
Machine Age	hrs	Client Info		<b>600</b>	---	---
Oil Age	hrs	Client Info		<b>600</b>	---	---
Oil Changed	Client Info			<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

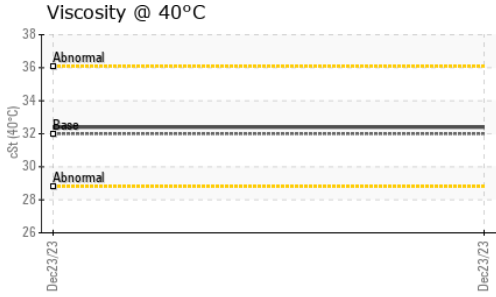
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			<b>NEG</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>60	<b>&lt;1</b>	---	---
Chromium	ppm	ASTM D5185(m)	>12	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>6	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>4	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m)	>12	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>30	<b>6</b>	---	---
Tin	ppm	ASTM D5185(m)		<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<b>73</b>	---	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>24</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	25	<b>174</b>	---	---
Calcium	ppm	ASTM D5185(m)	200	<b>888</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>661</b>	---	---
Zinc	ppm	ASTM D5185(m)	370	<b>794</b>	---	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>1899</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---

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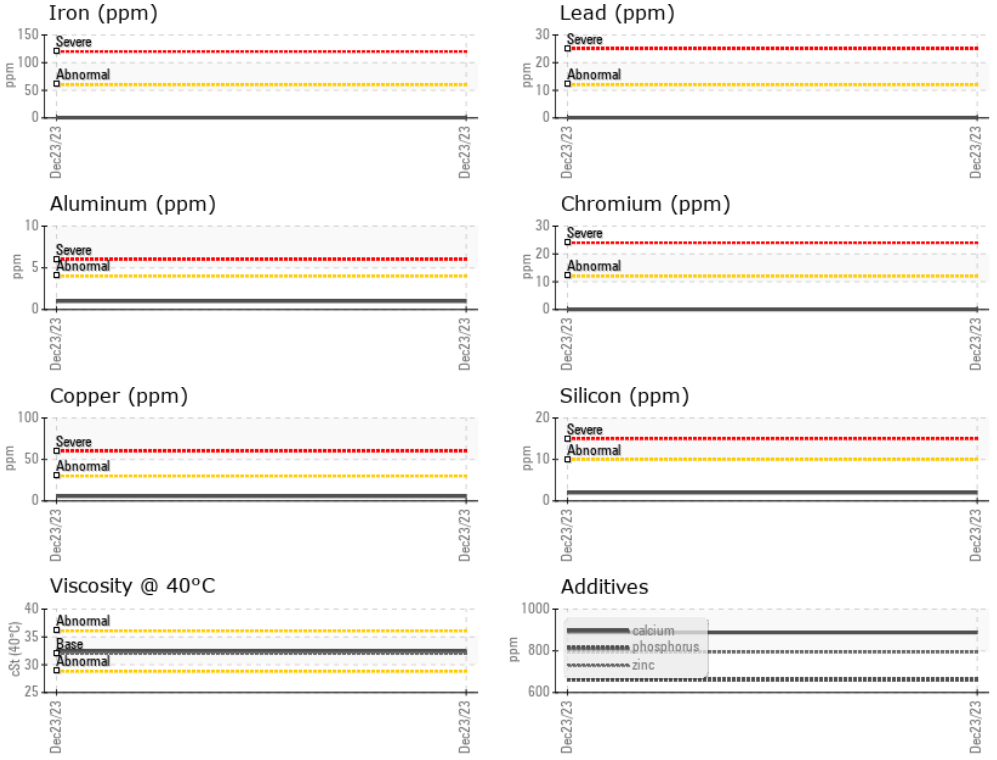
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance	scalar	Visual*	NORML	---	---
Odor	scalar	Visual*	NORML	---	---
Emulsified Water	scalar	Visual*	NEG	---	---
Free Water	scalar	Visual*	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	32	<b>32.4</b>	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0019257 **Received** : 02 Jan 2024  
**Lab Number** : 02606065 **Diagnosed** : 03 Jan 2024  
**Unique Number** : 5707151 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

**Canadian Coast Guard**  
 93 BOUNDARY ST  
 CLARK'S HARBOUR, NS  
 CA B0W 1P0  
 Contact: Service Manager  
 CLARKS-HARBOUR.CCGS@dfp-mpo.gc.ca

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: