



# OIL ANALYSIS REPORT

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

Area

**Boat Deck**

Machine Id

**G5-83211 Barge Davit Winch**

Component

**Gearbox**

Fluid

**PETRO CANADA ENDURATEX EP 68 (20 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

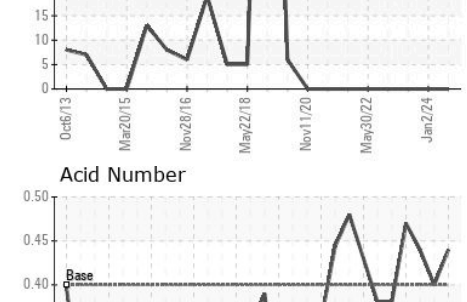
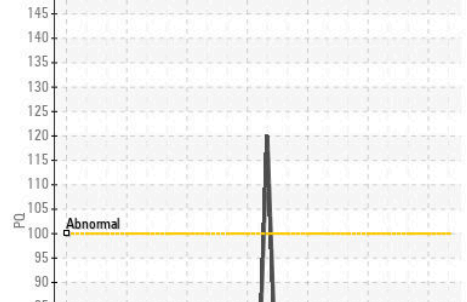
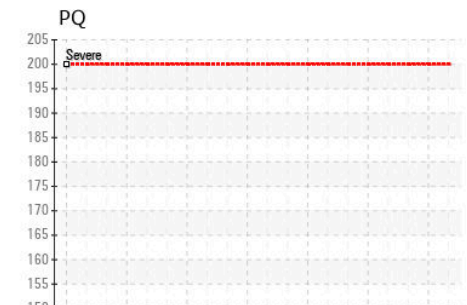
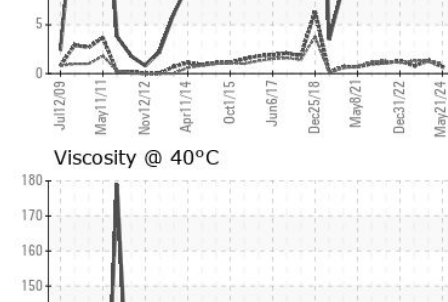
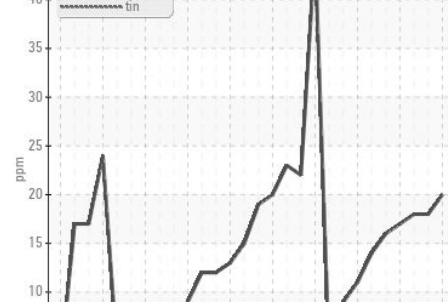
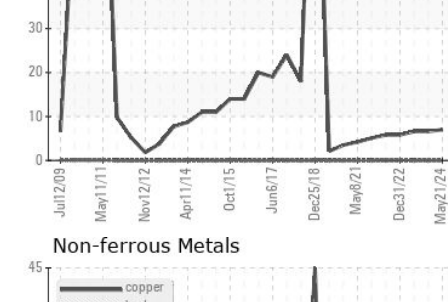
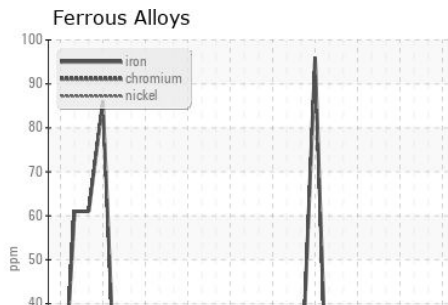
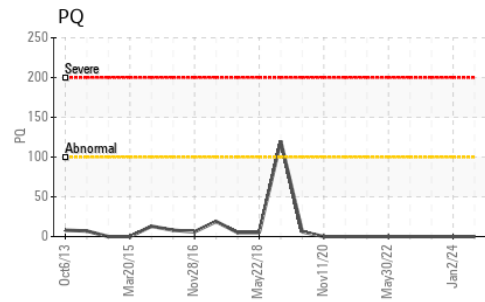
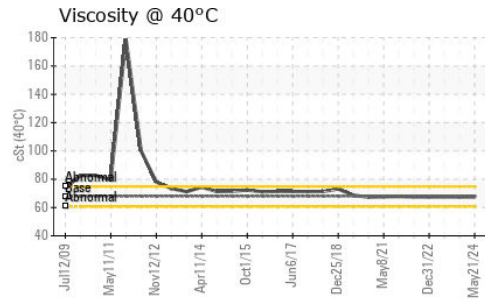
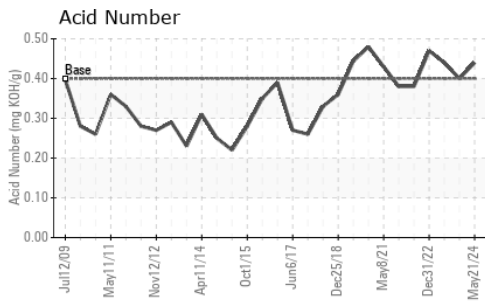
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0855461</b>	WC0855471	WC0772109
Sample Date		Client Info		<b>21 May 2024</b>	02 Jan 2024	03 Jul 2023
Machine Age	mths	Client Info		<b>262</b>	0	253
Oil Age	mths	Client Info		<b>55</b>	0	46
Filter Age	mths	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PQ		ASTM D8184*		<b>0</b>	0	0
Iron	ppm	ASTM D5185(m)	>150	<b>7</b>	7	7
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	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>	<1	0
Lead	ppm	ASTM D5185(m)	>65	<b>&lt;1</b>	1	<1
Copper	ppm	ASTM D5185(m)	>80	<b>20</b>	18	18
Tin	ppm	ASTM D5185(m)	>8	<b>1</b>	1	1
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

Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	6	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Boron	ppm	ASTM D5185(m)	69	<b>59</b>	60	61
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	1	<b>1</b>	<1	1
Calcium	ppm	ASTM D5185(m)	1	<b>1</b>	1	2
Phosphorus	ppm	ASTM D5185(m)	246	<b>276</b>	281	301
Zinc	ppm	ASTM D5185(m)	1	<b>3</b>	3	4
Sulfur	ppm	ASTM D5185(m)	3670	<b>4611</b>	5058	4842
Acid Number (AN)	mg KOH/g	ASTM D974*	0.4	<b>0.44</b>	0.40	0.44
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	<b>67.4</b>	67.4	67.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0855461  
**Lab Number** : 02637545  
**Unique Number** : 5786707  
**Test Package** : MAR 2 ( Additional Tests: TAN Man )  
**Received** : 24 May 2024  
**Tested** : 24 May 2024  
**Diagnosed** : 24 May 2024 - Wes Davis

**CANADIAN COAST GUARD**  
 CCGS GRIFFON, PO BOX 1000, 401 KING ST.W  
 Prescott, ON  
 CA K6V 5T3  
 Contact: Laurie Bosley  
 Laurie.Bosley@dfo-mpo.gc.ca  
 T:  
 F: (519)383-1994

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.