



# OIL ANALYSIS REPORT

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

Machine Id  
**L14-8111 Anchor Windlass**  
 Component  
**Gearbox**  
 Fluid  
**PETRO CANADA TRAXON 80W90 (25 LTR)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

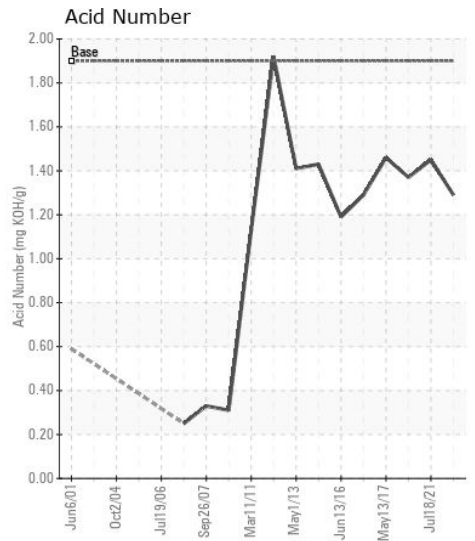
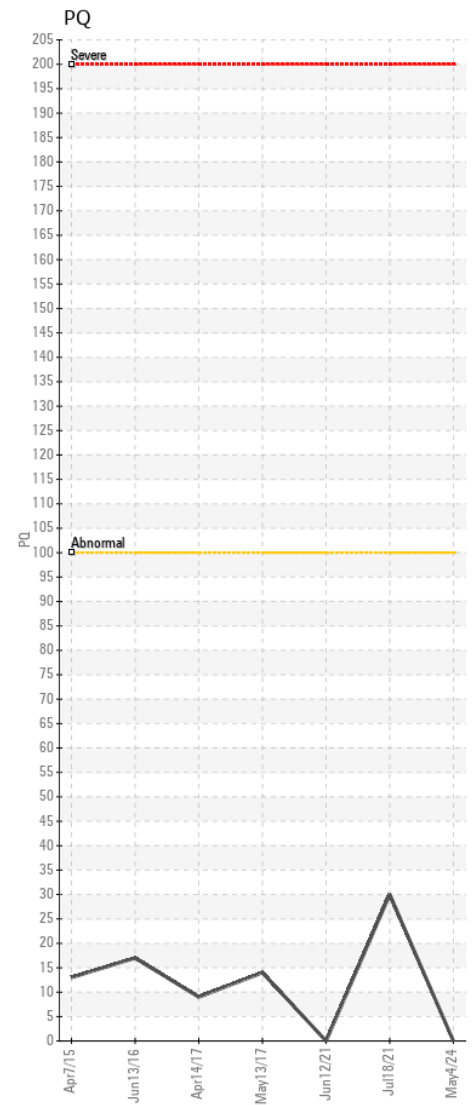
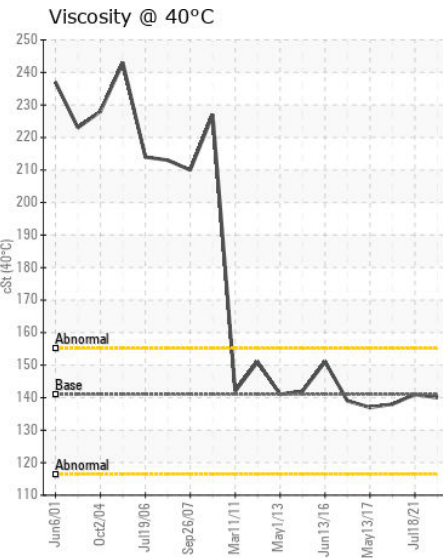
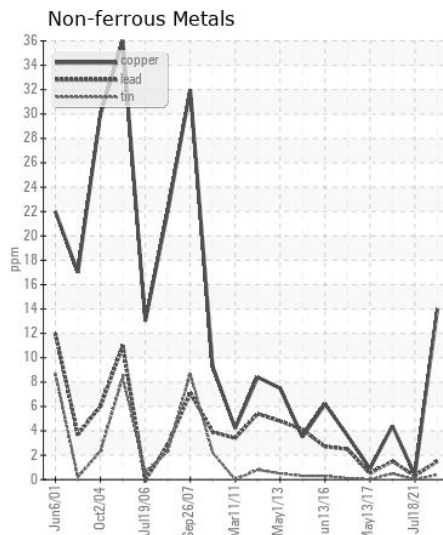
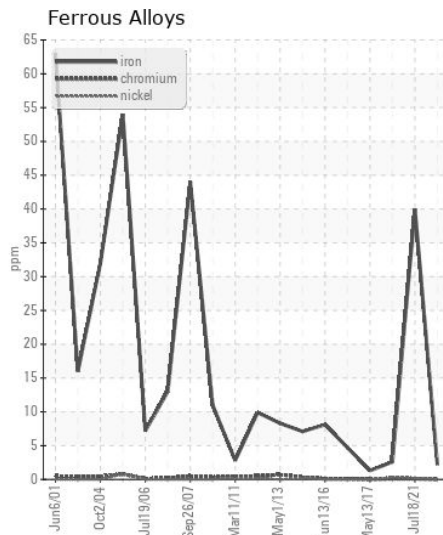
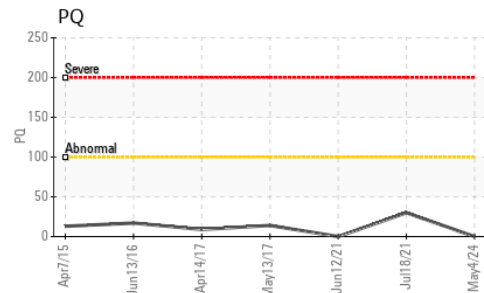
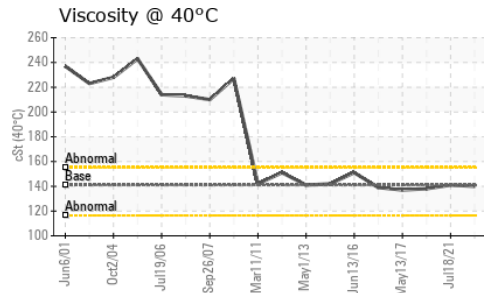
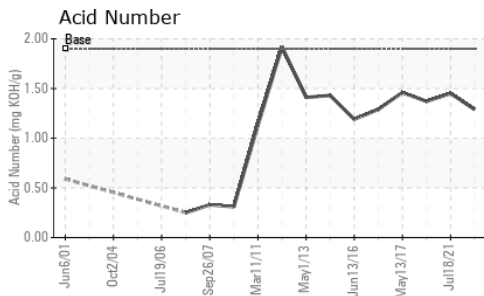
## CONTAMINATION

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>WC0668917</b>	WC0570885	WC63003545
Sample Date		Client Info		<b>04 May 2024</b>	18 Jul 2021	12 Jun 2021
Machine Age	hrs	Client Info		<b>212</b>	0	0
Oil Age	hrs	Client Info		<b>1</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL
PQ		ASTM D8184*		<b>0</b>	30	0
Iron	ppm	ASTM D5185(m)	>150	<b>2</b>	40	3
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	6	<1
Lead	ppm	ASTM D5185(m)	>65	<b>2</b>	<1	2
Copper	ppm	ASTM D5185(m)	>80	<b>14</b>	<1	4
Tin	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	12	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</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>	VLITE	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>	2	2
Boron	ppm	ASTM D5185(m)	243	<b>239</b>	239	234
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	2	<b>1</b>	3	1
Calcium	ppm	ASTM D5185(m)	6	<b>2</b>	6	4
Phosphorus	ppm	ASTM D5185(m)	987	<b>959</b>	1070	925
Zinc	ppm	ASTM D5185(m)	1	<b>5</b>	10	7
Sulfur	ppm	ASTM D5185(m)	21530	<b>16979</b>	19480	24615
Acid Number (AN)	mg KOH/g	ASTM D974*	1.9	<b>1.29</b>	1.45	1.37
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	<b>140</b>	141	138



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0668917  
**Lab Number** : 02639703  
**Unique Number** : 5788865  
**Test Package** : MAR 2  
**Received** : 04 Jun 2024  
**Tested** : 05 Jun 2024  
**Diagnosed** : 05 Jun 2024 - Wes Davis

**CANADIAN COAST GUARD**  
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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.