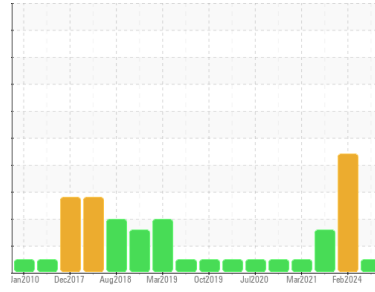


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area

**CRANES**

Machine Id

**Crane (Fwd) - Slew Brg Grease (S/N Sample Tag MA-04003-AFT)**

Component

**Aft Grease**

Fluid

**PETRO CANADA PRECISION XL EP2 (--- LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Grease Condition

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

### Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC</b>	PC0052013	PC0051998
Sample Date	Client Info			<b>16 May 2024</b>	10 Feb 2024	02 May 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Grease Age	hrs	Client Info		<b>0</b>	0	0
Grease Serviced	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	SEVERE	ATTENTION

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*	>200	<b>8620</b>	▲ 10979	290
Iron	ppm	ASTM D5185(m)	>250	<b>692</b>	▲ 1008	71
Chromium	ppm	ASTM D5185(m)	>10	<b>3</b>	4	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	<1
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>2</b>	<1	2
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0

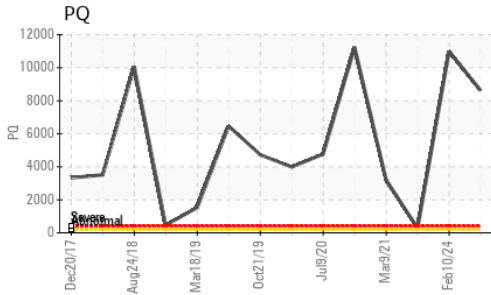
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>12</b>	1	1
Manganese	ppm	ASTM D5185(m)		<b>10</b>	14	<1
Molybdenum	ppm	ASTM D5185(m)		<b>26</b>	22	8
Phosphorus	ppm	ASTM D5185(m)		<b>111</b>	33	● 135
Zinc	ppm	ASTM D5185(m)		<b>79</b>	33	● 134
Antimony	ppm	ASTM D5185(m)		<b>36</b>	16	81

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	1	<1
Barium	ppm	ASTM D5185(m)		<b>5</b>	<1	1
Calcium	ppm	ASTM D5185(m)		<b>52</b>	51	● 26
Sodium	ppm	ASTM D5185(m)		<b>38</b>	10	8
Lithium	ppm	ASTM D5185(m)		<b>212</b>	173	257
Sulfur	ppm	ASTM D5185(m)		<b>657</b>	533	● 912

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	<b>3</b>	4	2
Potassium	ppm	ASTM D5185(m)		<b>3</b>	2	2

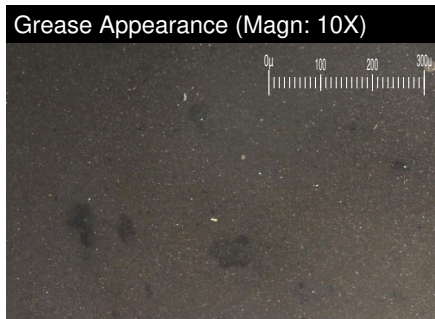
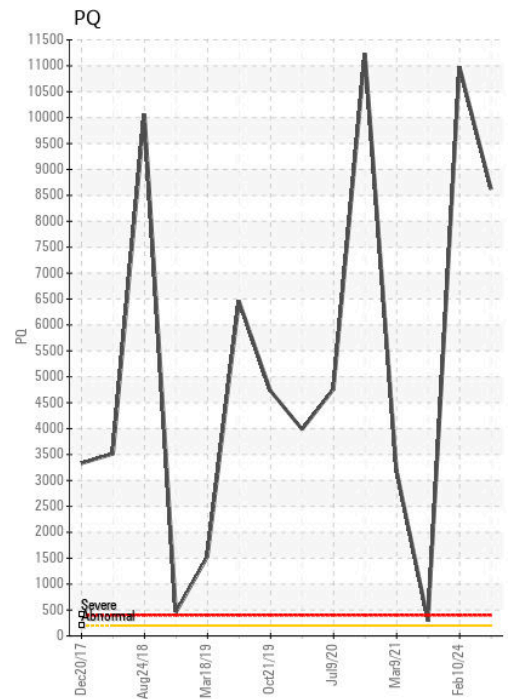
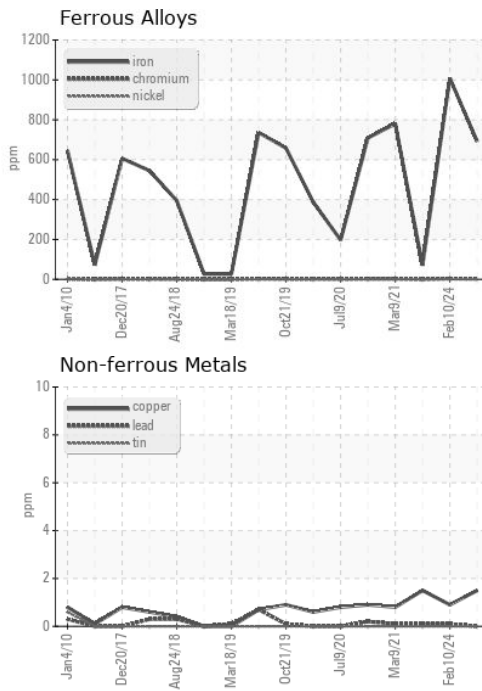
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	<b>Black</b>	Black	Green
Texture	In-house*		Stringy	<b>Brittle</b>	Buttery	Stringy
NLGI Consistency	NLGI Scale	SKF Method*	2	<b>2</b>	▲ 00-0	2-3

# GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrtFilter					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 30 May 2024  
**Lab Number** : 02638984 **Tested** : 06 Jun 2024  
**Unique Number** : 5788146 **Diagnosed** : 06 Jun 2024 - Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

**Suncor - Terra Nova Projects**  
 Scotia Centre, 235 Water Street  
 St. John's, NL  
 CA A1C 1B6  
 Contact: Josh Hynes  
 joshynes@suncor.com  
 T: (709)778-3575  
 F: (709)724-2835

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.