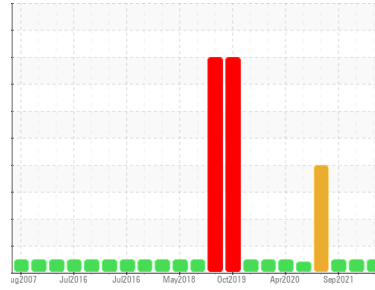


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**CRANES**  
Machine Id  
**Crane - Aft Slew Brg Grease (S/N Sample tag: MA-04001)**  
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>	PC0039814	PC
Sample Date	Client Info	<b>17 Feb 2024</b>	16 Aug 2023	20 Sep 2021
Machine Age	hrs	Client Info	<b>0</b>	0
Grease Age	hrs	Client Info	<b>0</b>	0
Grease Serviced	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## 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>551</b>	140	300
Iron	ppm ASTM D5185(m) >250	<b>50</b>	33	41
Chromium	ppm ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Nickel	ppm ASTM D5185(m) >5	<b>1</b>	<1	1
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0
Titanium	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Lead	ppm ASTM D5185(m) >25	<b>4</b>	3	4
Copper	ppm ASTM D5185(m) >75	<b>&lt;1</b>	<1	<1
Tin	ppm ASTM D5185(m) >5	<b>0</b>	0	0
Silver	ppm ASTM D5185(m) >5	<b>0</b>	0	<1

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>&lt;1</b>	2	4
Magnesium	ppm ASTM D5185(m)	<b>12</b>	6	4
Manganese	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Molybdenum	ppm ASTM D5185(m)	<b>122</b>	123	30
Phosphorus	ppm ASTM D5185(m)	<b>33</b>	19	46
Zinc	ppm ASTM D5185(m)	<b>49</b>	39	35
Antimony	ppm ASTM D5185(m)	<b>23</b>	13	18

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<b>2</b>	<1	12
Barium	ppm ASTM D5185(m)	<b>3</b>	1	4
Calcium	ppm ASTM D5185(m)	<b>109</b>	104	148
Sodium	ppm ASTM D5185(m)	<b>59</b>	37	23
Lithium	ppm ASTM D5185(m)	<b>172</b>	113	153
Sulfur	ppm ASTM D5185(m)	<b>604</b>	367	677

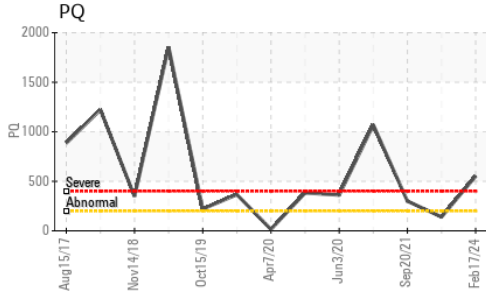
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	<b>2</b>	2	33
Potassium	ppm ASTM D5185(m)	<b>4</b>	2	2

## GREASE CONDITION

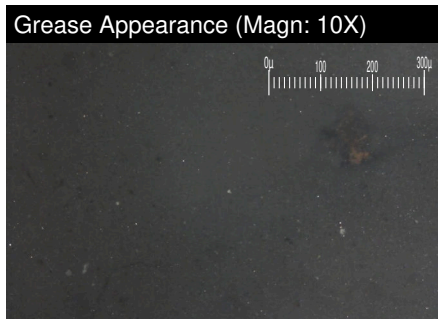
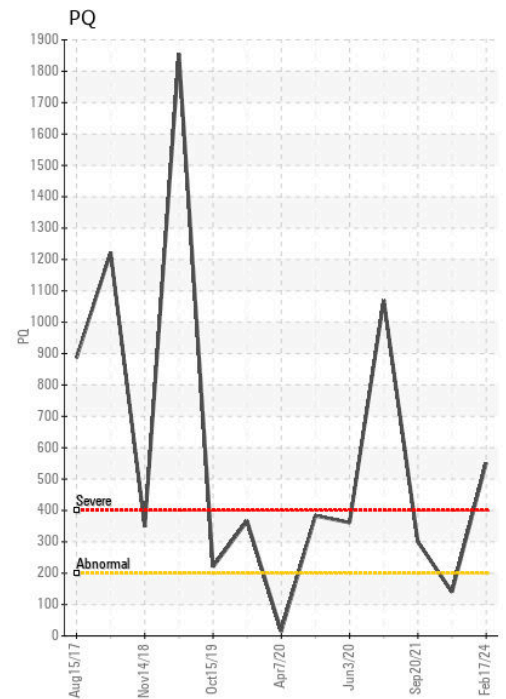
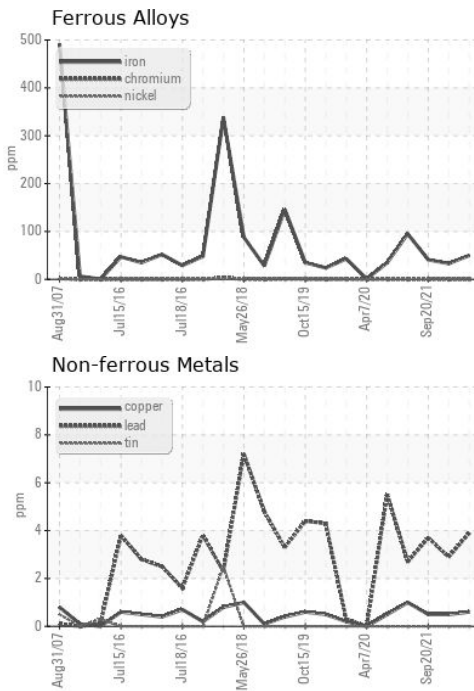
method	limit/base	current	history1	history2	
Grease Color	Visual*	Brown	<b>Black</b>	Brown	Brown
Texture	In-house*	Stringy	<b>Stringy</b>	Brittle	Long fiber
NLGI Consistency	NLGI Scale SKF Method*	2	<b>1-2</b>	2-3	1-2

# GREASE ANALYSIS



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

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 12 Mar 2024  
**Lab Number** : 02621647 **Tested** : 13 Mar 2024  
**Unique Number** : 5746766 **Diagnosed** : 14 Mar 2024 - Bill Quesnel  
**Test Package** : GRS 1 ( Additional Tests: BottomAnalysis )

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.

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