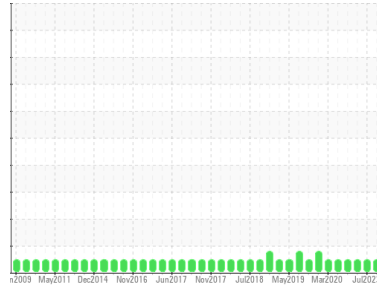


# GREASE ANALYSIS

Sample Rating Trend



**NORMAL**



Area  
**Turret [450242710]**  
Machine Id  
**Turret Swivel #2 - 16 (S/N Sample Tag NC-21603)**  
Component  
**Grease**  
Fluid  
**PETRO CANADA GREASE OG-1 (--- GAL)**

## 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>	PC	PC
Sample Date	Client Info	<b>04 Jan 2024</b>	31 Jul 2023	17 Sep 2020
Machine Age	days	<b>0</b>	0	0
Grease Age	days	<b>0</b>	0	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>0</b>	0	120
Iron	ppm ASTM D5185(m) >250	<b>21</b>	2	30
Chromium	ppm ASTM D5185(m) >10	<b>&lt;1</b>	0	<1
Nickel	ppm ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Cadmium	ppm ASTM D5185(m)	<b>0</b>	0	0
Titanium	ppm ASTM D5185(m)	<b>0</b>	0	<1
Vanadium	ppm ASTM D5185(m)	<b>0</b>	0	0
Lead	ppm ASTM D5185(m) >25	<b>0</b>	0	0
Copper	ppm ASTM D5185(m) >75	<b>&lt;1</b>	0	<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>81</b>	196	86
Magnesium	ppm ASTM D5185(m)	<b>3</b>	7	3
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	0	<1
Phosphorus	ppm ASTM D5185(m)	<b>8</b>	7	13
Zinc	ppm ASTM D5185(m)	<b>17</b>	2	12
Antimony	ppm ASTM D5185(m)	<b>0</b>	0	<1

## THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<b>1</b>	2	1
Barium	ppm ASTM D5185(m)	<b>0</b>	0	<1
Calcium	ppm ASTM D5185(m)	<b>1755</b>	4954	1776
Sodium	ppm ASTM D5185(m)	<b>6</b>	2	5
Lithium	ppm ASTM D5185(m)	<b>40</b>	<1	93
Sulfur	ppm ASTM D5185(m)	<b>580</b>	918	600

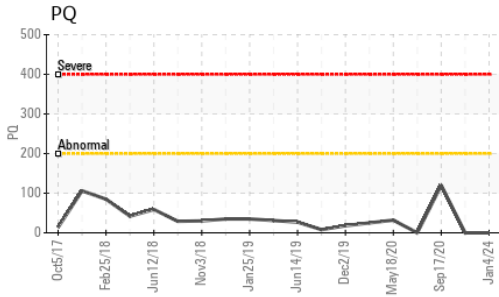
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	<b>58</b>	3	54
Potassium	ppm ASTM D5185(m)	<b>3</b>	4	2

## GREASE CONDITION

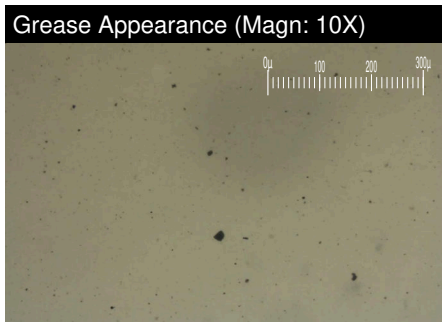
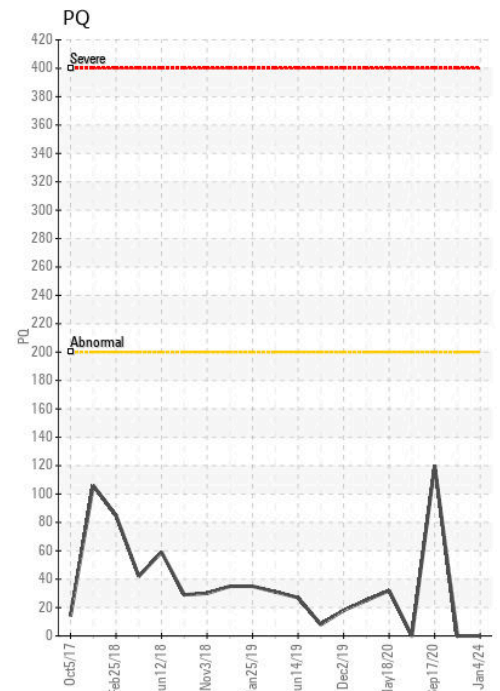
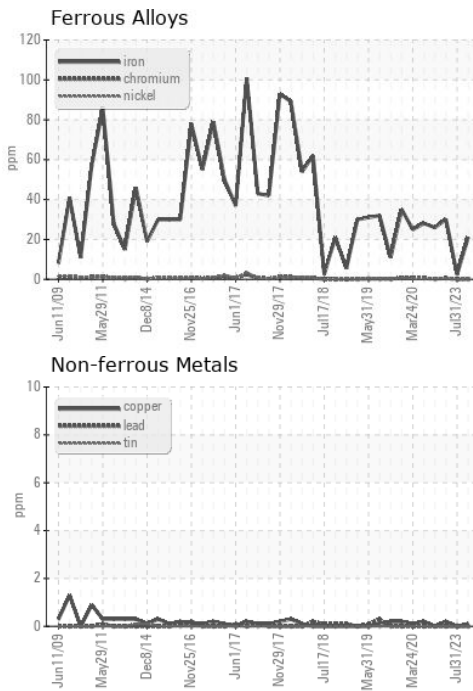
method	limit/base	current	history1	history2
Grease Color	Visual* Tan	<b>Brown</b>	Tan	Yellow
Texture	In-house* Buttery	<b>Stringy</b>	Buttery	Short fiber
NLGI Consistency	NLGI Scale SKF Method* 1	<b>1</b>	1-2	1

# 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** : 17 Jan 2024  
**Lab Number** : 02609590 **Diagnosed** : 19 Jan 2024  
**Unique Number** : 5710676 **Diagnostician** : 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.*

**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