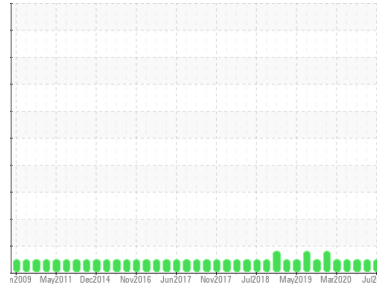


# GREASE ANALYSIS

Sample Rating Trend



Area  
**Turret [450132861]**  
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	PC0029633
Sample Date	Client Info	<b>31 Jul 2023</b>	17 Sep 2020	21 Jul 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

## WEAR METALS

method	limit/base	current	history1	history2		
PQ	ASTM D8184*	>200	<b>0</b>	120	0	
Iron	ppm	ASTM D5185(m)	>250	<b>2</b>	30	26
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
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>0</b>	<1	0
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185(m)		<b>196</b>	86	94
Magnesium	ppm	ASTM D5185(m)		<b>7</b>	3	3
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m)		<b>7</b>	13	11
Zinc	ppm	ASTM D5185(m)		<b>2</b>	12	19
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	<1

## THICKENER/SOAP

method	limit/base	current	history1	history2		
Aluminum	ppm	ASTM D5185(m)		<b>2</b>	1	<1
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Calcium	ppm	ASTM D5185(m)		<b>4954</b>	1776	2027
Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	1
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	93	70
Sulfur	ppm	ASTM D5185(m)		<b>918</b>	600	629

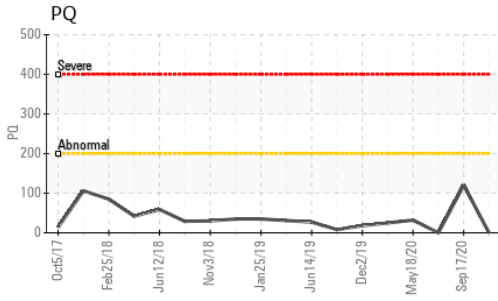
## CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185(m)	>150	<b>3</b>	54	60
Potassium	ppm	ASTM D5185(m)		<b>4</b>	2	2

## GREASE CONDITION

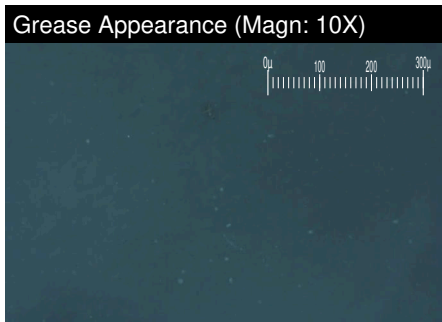
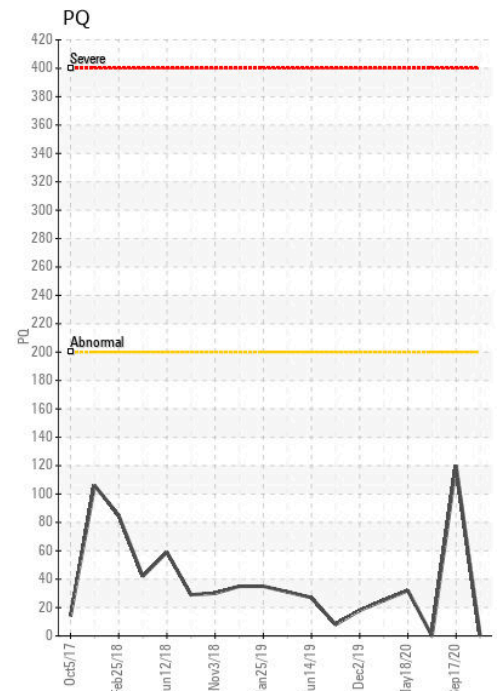
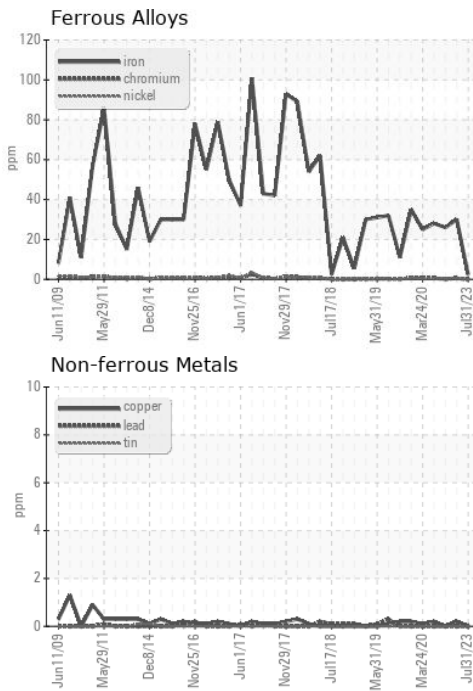
method	limit/base	current	history1	history2	
Grease Color	Visual*	Tan	<b>Tan</b>	Yellow	Tan
Texture	In-house*	Buttery	<b>Buttery</b>	Short fiber	Long fiber
NLGI Consistency	NLGI Scale SKF Method*	1	<b>1-2</b>	1	1

# 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 Aug 2023  
**Lab Number** : 02576625 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 5629685 **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  
 joshhynes@suncor.com  
 T: (709)778-3575  
 F: (709)724-2835