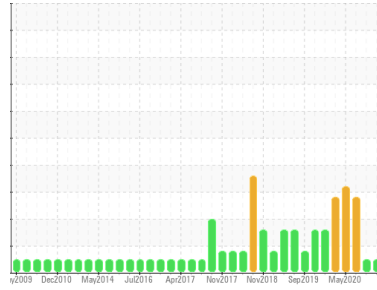


GREASE ANALYSIS

Sample Rating Trend



Area
Turret [450242710]
Machine Id
Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)
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	PC	PC	PC0029636
Sample Date	Client Info	04 Jan 2024	31 Jul 2023	21 Jul 2020
Machine Age	days	0	0	0
Grease Age	days	0	0	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	SEVERE

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184* >200	0	0	0
Iron	ppm ASTM D5185(m) >250	194	2	301
Chromium	ppm ASTM D5185(m) >10	2	0	4
Nickel	ppm ASTM D5185(m) >5	1	0	5
Cadmium	ppm ASTM D5185(m)	0	0	0
Titanium	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Lead	ppm ASTM D5185(m) >25	0	0	0
Copper	ppm ASTM D5185(m) >75	<1	0	<1
Tin	ppm ASTM D5185(m) >5	0	0	0
Silver	ppm ASTM D5185(m) >5	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	144	178	▲ 2
Magnesium	ppm ASTM D5185(m)	7	6	3
Manganese	ppm ASTM D5185(m)	1	<1	3
Molybdenum	ppm ASTM D5185(m)	0	0	2
Phosphorus	ppm ASTM D5185(m)	5	5	▲ 48
Zinc	ppm ASTM D5185(m)	13	2	8
Antimony	ppm ASTM D5185(m)	<1	0	6

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	2	2	<1
Barium	ppm ASTM D5185(m)	0	<1	0
Calcium	ppm ASTM D5185(m)	3867	4403	▲ 64
Sodium	ppm ASTM D5185(m)	17	2	23
Lithium	ppm ASTM D5185(m)	24	<1	522
Sulfur	ppm ASTM D5185(m)	839	800	668

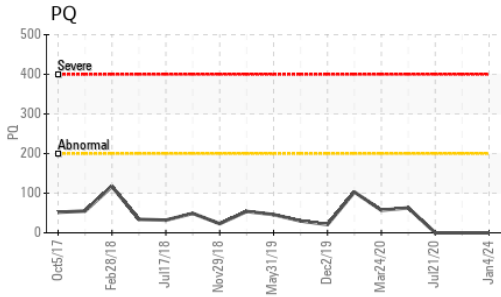
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	90	3	2
Potassium	ppm ASTM D5185(m)	4	2	2

GREASE CONDITION

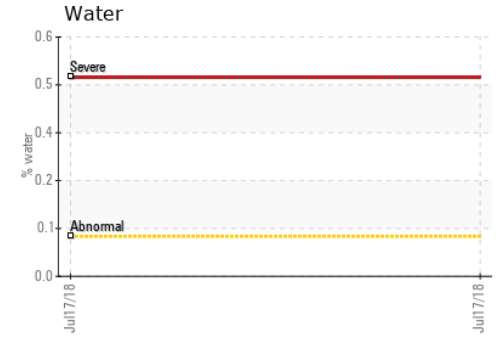
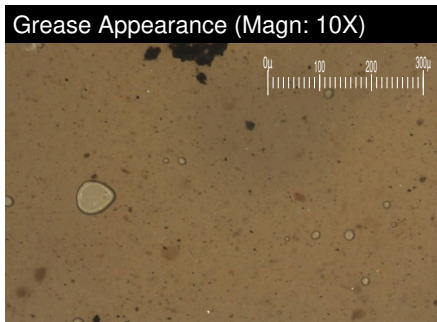
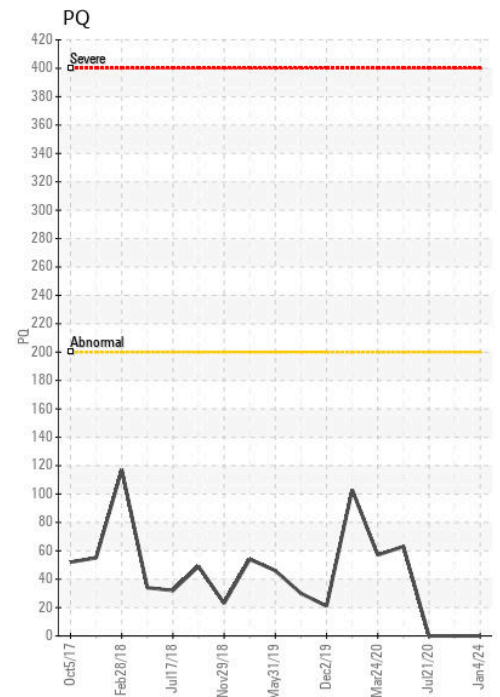
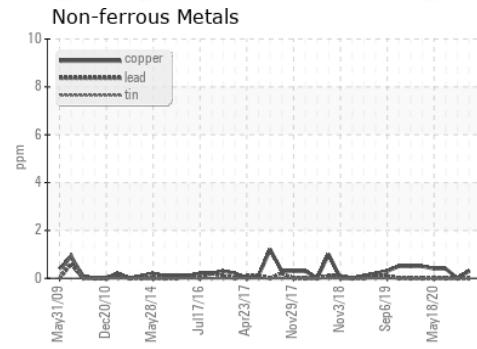
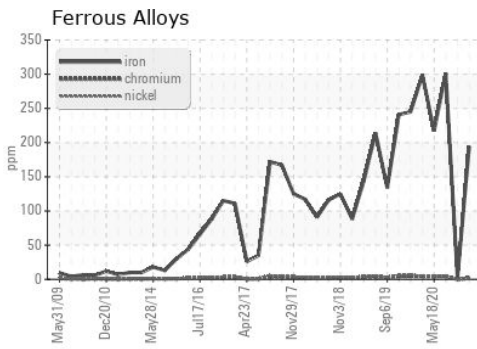
method	limit/base	current	history1	history2
Grease Color	Visual* Tan	Brown	Tan	Brown
Texture	In-house* Buttery	Buttery	Buttery	Tacky
NLGI Consistency	NLGI Scale SKF Method* 1	2	1-2	● 5

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
Lab Number : 02609591
Unique Number : 5710677
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
 joshhynes@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.*