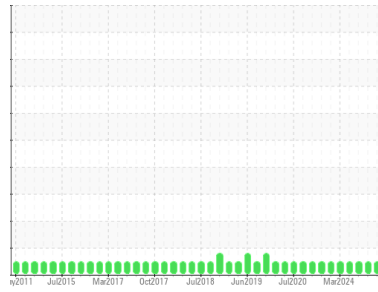


GREASE ANALYSIS

Area
Turret [450352586]
Machine Id
Turret Swivel #2 - 16 (S/N Sample Tag NC-21603)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

Sample Rating Trend



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	PC0080701	PC	PC
Sample Date	Client Info	16 Jun 2024	19 May 2024	16 Apr 2024
Machine Age	days	Client Info	0	0
Grease Age	days	Client Info	0	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

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	26	18	25
Chromium	ppm ASTM D5185(m) >10	<1	0	0
Nickel	ppm ASTM D5185(m) >5	<1	<1	<1
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	0
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)	118	65	86
Magnesium	ppm ASTM D5185(m)	4	2	3
Manganese	ppm ASTM D5185(m)	<1	0	<1
Molybdenum	ppm ASTM D5185(m)	0	0	0
Phosphorus	ppm ASTM D5185(m)	10	9	8
Zinc	ppm ASTM D5185(m)	20	14	17
Antimony	ppm ASTM D5185(m)	<1	0	0

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	1	<1	<1
Barium	ppm ASTM D5185(m)	<1	<1	0
Calcium	ppm ASTM D5185(m)	2654	1395	1855
Sodium	ppm ASTM D5185(m)	6	5	7
Lithium	ppm ASTM D5185(m)	54	39	34
Sulfur	ppm ASTM D5185(m)	621	535	555

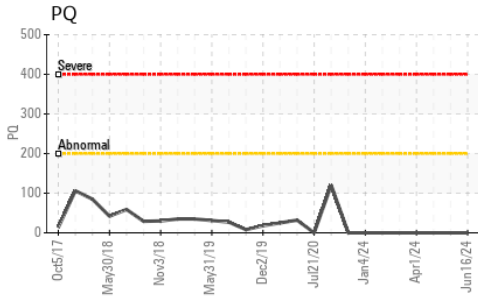
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	72	53	60
Potassium	ppm ASTM D5185(m)	5	<1	1

GREASE CONDITION

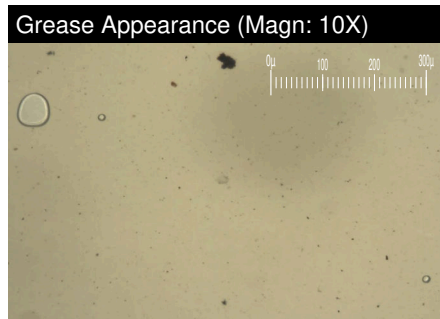
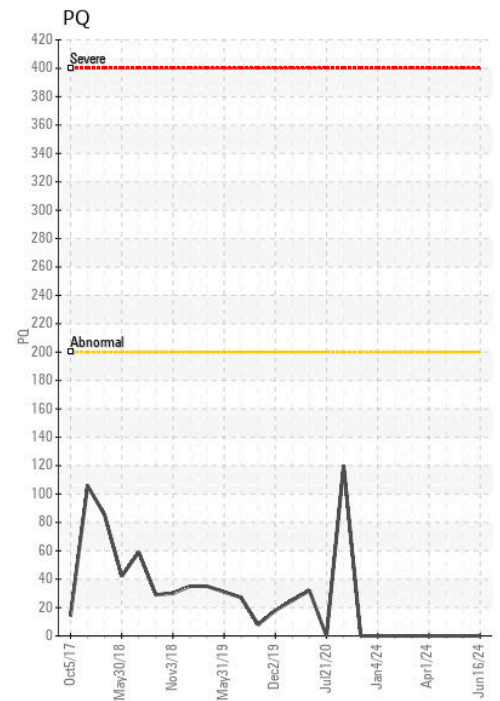
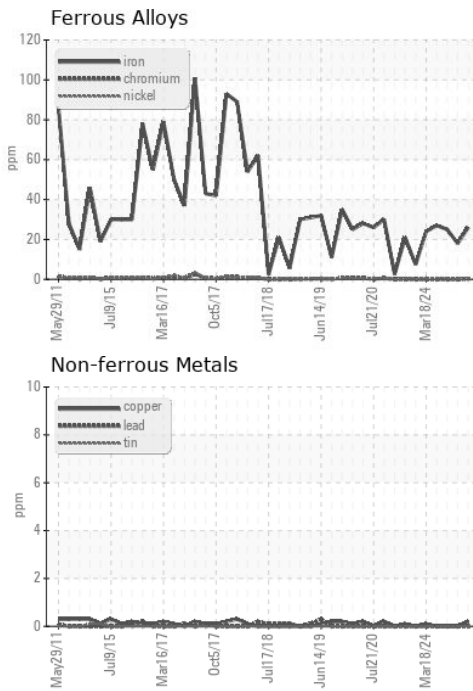
method	limit/base	current	history1	history2
Grease Color	Visual* Tan	Tan	Tan	Tan
Texture	In-house* Buttery	Stringy	Buttery	Stringy
NLGI Consistency	NLGI Scale SKF Method* 1	1	0	1

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. : PC0080701 **Received** : 27 Jun 2024
Lab Number : 02644460 **Tested** : 27 Jun 2024
Unique Number : 5801999 **Diagnosed** : 28 Jun 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.

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