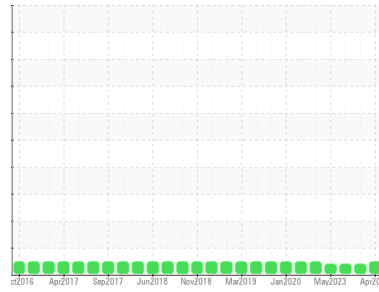


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area

Turret

Machine Id

GS03 - Torque Tube Brg Grease (S/N Sample Tag: NC-05603)

Component

Grease

Fluid

PETRO CANADA PRECISION SYNTHETIC (--- 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	PC
Sample Date	Client Info	23 Apr 2024	16 Jan 2024	27 Jun 2023
Machine Age	hrs Client Info	0	0	0
Grease Age	hrs Client Info	0	0	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	ATTENTION	ATTENTION

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	130	770	640
Iron	ppm ASTM D5185(m) >250	190	206	178
Chromium	ppm ASTM D5185(m) >10	2	2	2
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	2	2	2
Copper	ppm ASTM D5185(m) >75	19	21	19
Tin	ppm ASTM D5185(m) >5	1	1	1
Silver	ppm ASTM D5185(m) >5	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	11	4	1
Magnesium	ppm ASTM D5185(m)	6	5	3
Manganese	ppm ASTM D5185(m)	2	2	2
Molybdenum	ppm ASTM D5185(m)	0	0	<1
Phosphorus	ppm ASTM D5185(m)	8	8	9
Zinc	ppm ASTM D5185(m)	14	10	7
Antimony	ppm ASTM D5185(m)	0	0	<1

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	<1	1	<1
Barium	ppm ASTM D5185(m)	<1	0	0
Calcium	ppm ASTM D5185(m)	398	228	80
Sodium	ppm ASTM D5185(m)	10	9	6
Lithium	ppm ASTM D5185(m)	43	51	45
Sulfur	ppm ASTM D5185(m)	407	433	393

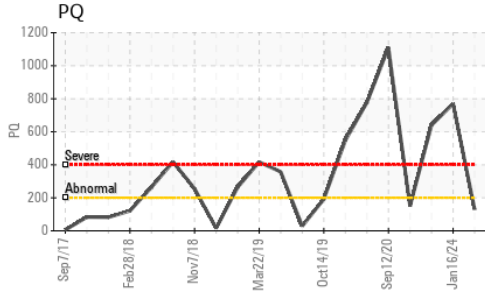
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	<1	2	1
Potassium	ppm ASTM D5185(m)	<1	1	<1

GREASE CONDITION

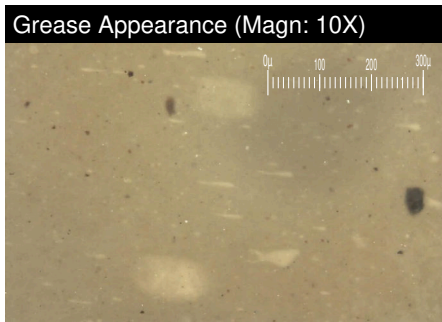
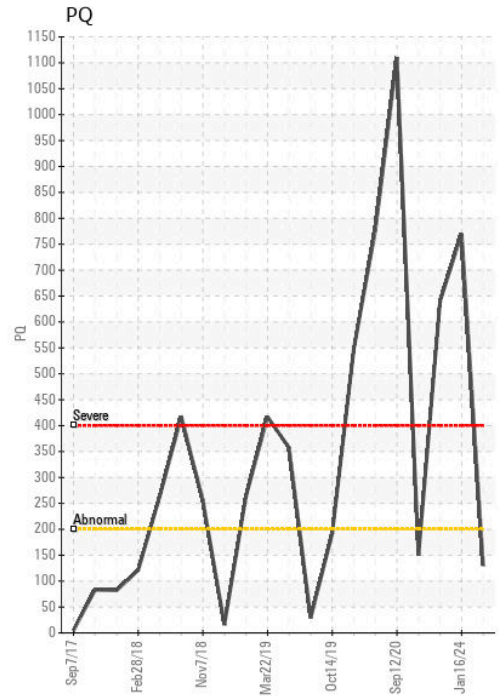
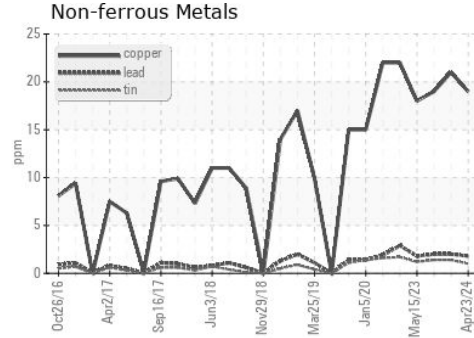
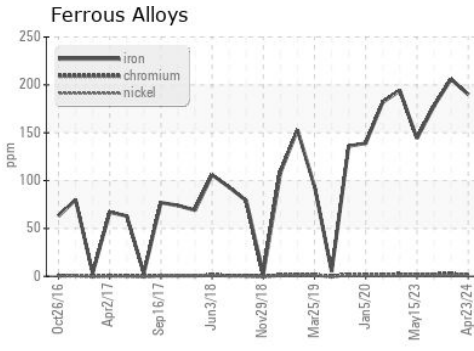
method	limit/base	current	history1	history2
Grease Color	Visual* Gold	Gold	Brown	Brown
Texture	In-house* Buttery	Stringy	Stringy	Stringy
NLGI Consistency	NLGI Scale SKF Method* 1	0	0-1	0

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** : 10 May 2024
Lab Number : 02634838 **Tested** : 14 May 2024
Unique Number : 5775991 **Diagnosed** : 15 May 2024 - Bill Quesnel
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
 joshynes@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.