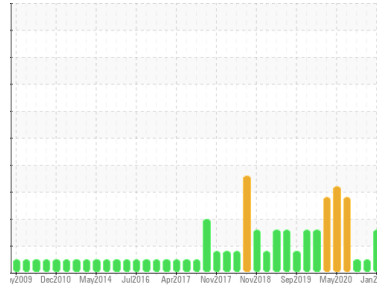


PROBLEM SUMMARY

Area
Turret
Machine Id
Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

Sample Rating Trend



VISCOSITY



COMPONENT CONDITION SUMMARY

No relevant graphs to display


RECOMMENDATION

We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
NLGI Consistency	NLGI Scale	SKF Method*	1	4	2	1-2
PrtFilter						

Customer Id: TERHAM
Sample No.: PC
Lab Number: 02616500
Test Package: GRS 1



To manage this report scan the QR code

To discuss the diagnosis or test data:
Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1
(289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

04 Jan 2024 Diag: Bill Quesnel

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the grease. The condition of the grease is acceptable for the time in service.

view report



31 Jul 2023 Diag: Bill Quesnel

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the grease. The condition of the grease is acceptable for the time in service.

view report



21 Jul 2020 Diag: Bill Quesnel

VISCOSITY



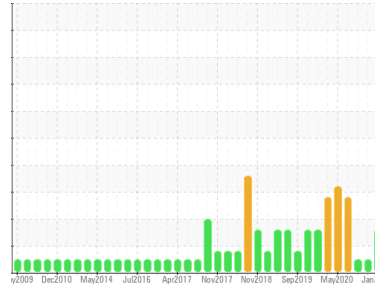
Confirm the source of the grease being utilized for re-fill. Recommend purge the grease and refill with Petro-Canada Grease OG-1. All component wear rates are normal. There is no indication of any contamination in the grease. Additive levels indicate the addition of a different brand, or type of grease. The NLGI grade has increased from 1 to 5.

view report



GREASE ANALYSIS

Sample Rating Trend



VISCOSITY



Area
Turret
Machine Id
Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Grease Condition

Grease consistency has changed by 3 NLGI grades from NLGI 1 to 4.

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 Jan 2024	04 Jan 2024	31 Jul 2023
Machine Age	days	Client Info	0	0	0
Grease Age	days	Client Info	0	0	0
Grease Serviced	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	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	215	194
Chromium	ppm	ASTM D5185(m)	>10	2	2
Nickel	ppm	ASTM D5185(m)	>5	2	1
Cadmium	ppm	ASTM D5185(m)		0	0
Titanium	ppm	ASTM D5185(m)		0	0
Vanadium	ppm	ASTM D5185(m)		0	0
Lead	ppm	ASTM D5185(m)	>25	0	0
Copper	ppm	ASTM D5185(m)	>75	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		147	144
Magnesium	ppm	ASTM D5185(m)		7	7
Manganese	ppm	ASTM D5185(m)		1	1
Molybdenum	ppm	ASTM D5185(m)		0	0
Phosphorus	ppm	ASTM D5185(m)		6	5
Zinc	ppm	ASTM D5185(m)		14	13
Antimony	ppm	ASTM D5185(m)		0	<1

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		2	2
Barium	ppm	ASTM D5185(m)		0	0
Calcium	ppm	ASTM D5185(m)		4001	3867
Sodium	ppm	ASTM D5185(m)		16	17
Lithium	ppm	ASTM D5185(m)		26	24
Sulfur	ppm	ASTM D5185(m)		945	839

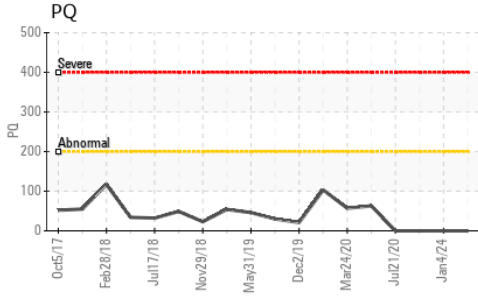
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	69	90
Potassium	ppm	ASTM D5185(m)		3	4

GREASE CONDITION

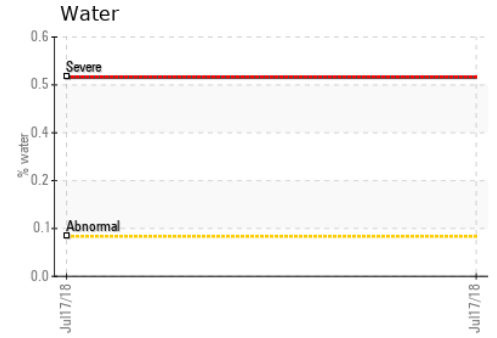
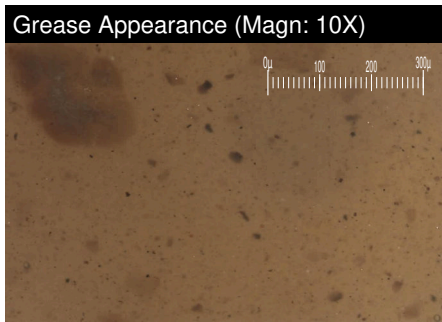
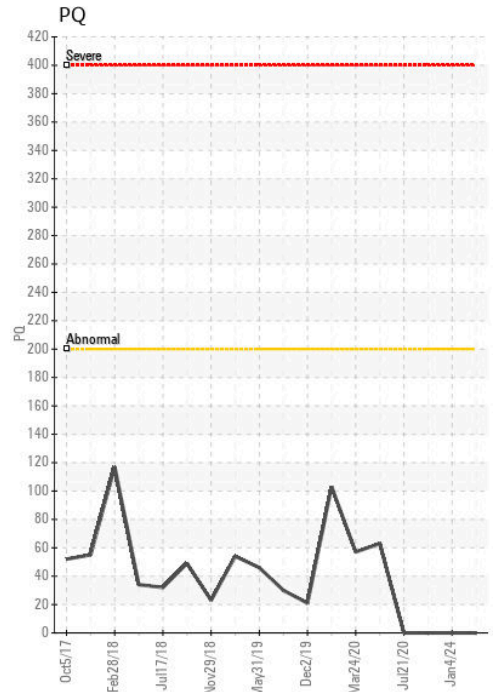
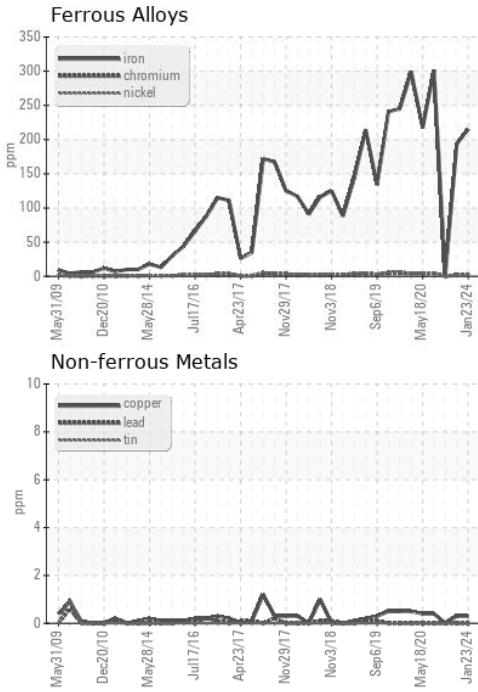
	method	limit/base	current	history1	history2
Grease Color	Visual*	Tan	Brown	Brown	Tan
Texture	In-house*	Buttery	Buttery	Buttery	Buttery
NLGI Consistency	NLGI Scale	SKF Method* 1	4	2	1-2

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** : 16 Feb 2024
Lab Number : 02616500 **Tested** : 22 Feb 2024
Unique Number : 5733610 **Diagnosed** : 22 Feb 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
 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.