



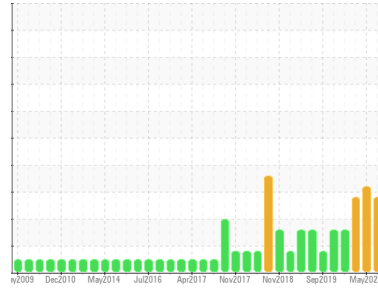
PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

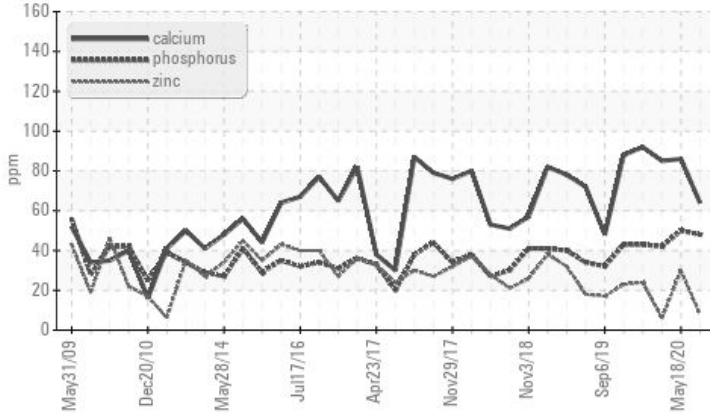


Area
Turret [71134141]
 Machine Id
Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)
 Component
Grease
 Fluid
PETRO CANADA GREASE OG-1 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Additives



RECOMMENDATION

Confirm the source of the grease being utilized for re-fill. Recommend purge the grease and refill with Petro-Canada Grease OG-1.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE
Boron	ppm	ASTM D5185(m)	▲ 2	▲ 2	▲ 2	
Phosphorus	ppm	ASTM D5185(m)	▲ 48	▲ 50	▲ 42	
Calcium	ppm	ASTM D5185(m)	▲ 64	▲ 86	▲ 85	
NLGI Consistency	NLGI Scale	SKF Method 1	● 5	● 5	● 5	
PrtFilter						

Customer Id: CUSANY
 Sample No.: WC1234567
 Lab Number: 01234567
 Test Package: GRS 1



To manage this report scan the QR code

To discuss the diagnosis or test data:
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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

HISTORICAL DIAGNOSIS

18 May 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



24 Mar 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



24 Dec 2019 Diag: Bill Quesnel

VISCOSITY



We advise that you purge the grease and refill with new grease. We recommend an early resample to monitor this condition. All component wear rates are normal. There is no contamination in the grease. The grease consistency has increased from NLGI 1 to 5. The grease is no longer serviceable.

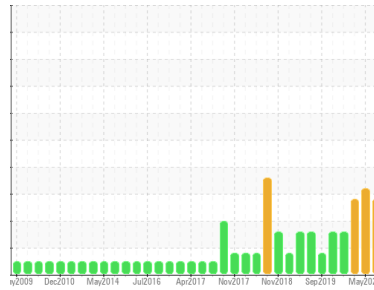
view report





GREASE ANALYSIS

Sample Rating Trend



VISCOSITY



Area
Turret [71134141]
 Machine Id
Turret Swivel #1 - 16 (S/N Sample Tag: NC-21604)
 Component
Grease
 Fluid
PETRO CANADA GREASE OG-1 (--- GAL)

DIAGNOSIS

Recommendation

Confirm the source of the grease being utilized for re-fill. Recommend purge the grease and refill with Petro-Canada Grease OG-1.

Wear

All component wear rates are normal.

Contaminants

There is no indication of any contamination in the grease.

Grease Condition

Additive levels indicate the addition of a different brand, or type of grease. The NLGI grade has increased from 1 to 5.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number			PC0029636	PC	PC
Sample Date			21 Jul 2020	18 May 2020	24 Mar 2020
Machine Age	days		0	0	0
Grease Age	days		0	0	0
Grease Serviced			N/A	N/A	N/A
Sample Status			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history 1	history 2
PQ	In-house	>200	0	63	57
Iron	ppm ASTM D5185(m)	>250	301	217	299
Chromium	ppm ASTM D5185(m)	>10	4	4	4
Nickel	ppm ASTM D5185(m)	>5	5	5	5
Cadmium	ppm ASTM D5185(m)		0	0	0
Titanium	ppm ASTM D5185(m)		0	<1	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	<1	<1
Tin	ppm ASTM D5185(m)	>5	0	0	0
Silver	ppm ASTM D5185(m)	>5	0	<1	0

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm ASTM D5185(m)		▲ 2	▲ 2	▲ 2
Magnesium	ppm ASTM D5185(m)		3	2	2
Manganese	ppm ASTM D5185(m)		3	2	3
Molybdenum	ppm ASTM D5185(m)		2	4	2
Phosphorus	ppm ASTM D5185(m)		▲ 48	▲ 50	▲ 42
Zinc	ppm ASTM D5185(m)		8	▲ 30	6
Antimony	ppm ASTM D5185(m)		6	58	4

THICKENER/SOAP

	method	limit/base	current	history 1	history 2
Aluminum	ppm ASTM D5185(m)		<1	<1	<1
Barium	ppm ASTM D5185(m)		0	4	<1
Calcium	ppm ASTM D5185(m)		▲ 64	▲ 86	▲ 85
Sodium	ppm ASTM D5185(m)		23	16	10
Lithium	ppm ASTM D5185(m)		522	492	478
Sulfur	ppm ASTM D5185(m)		668	716	615

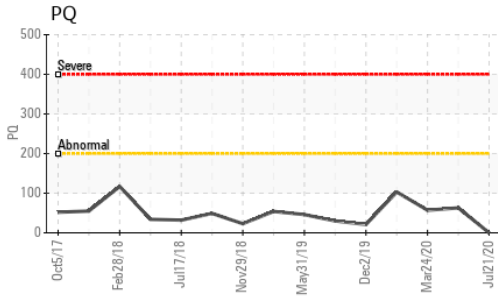
CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm ASTM D5185(m)	>150	2	3	2
Potassium	ppm ASTM D5185(m)		2	1	1

GREASE CONDITION

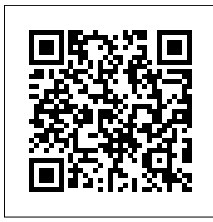
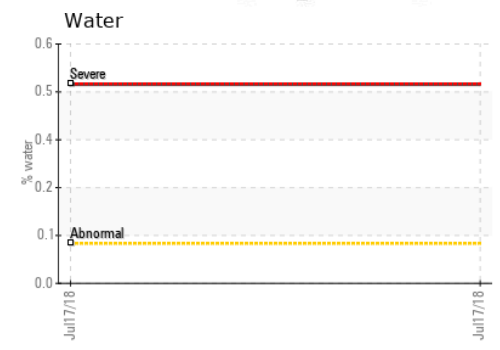
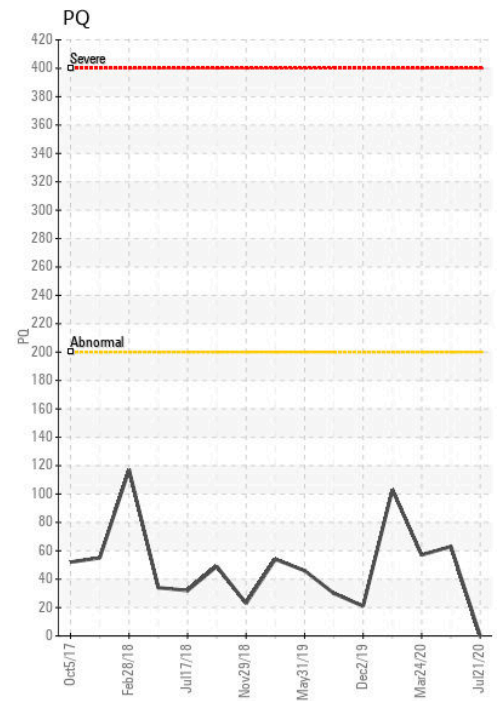
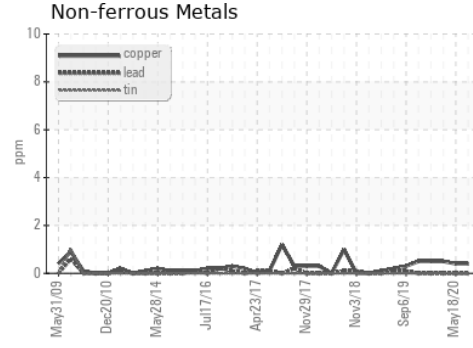
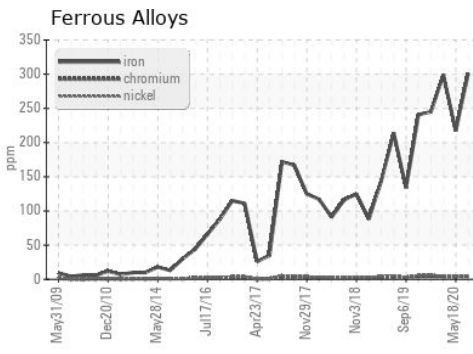
	method	limit/base	current	history 1	history 2
Grease Color	Visual	Tan	Brown	Black	Black
Texture	In-house	Buttery	Tacky	Tacky	Tacky
NLGI Consistency	NLGI Scale SKF Method	1	● 5	● 5	● 5

GREASE ANALYSIS



SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color					
Bottom					
PrtFilter					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC1234567 **Received** : 27 Jul 2020
Lab Number : 01234567 **Diagnosed** : 28 Jul 2020
Unique Number : 12345678 **Diagnostician** : Bill Quesnel
Test Package : GRS 1 (Additional Tests: BottomAnalysis)
To discuss this sample report, contact Customer Service at 1-800-268-2131.
(m) Denotes a modified test method, (e) Denotes a test conducted using an external laboratory.

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