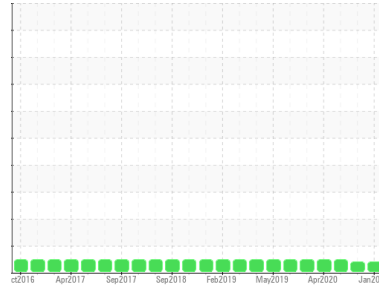


GREASE ANALYSIS

Sample Rating Trend

VIS DEBRIS

Area
Turret
Machine Id
GS04 - 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

Light concentration of visible dirt/debris present in the grease. No other contaminants were detected in the grease.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC	PC	PC
Sample Date	Client Info	16 Jan 2024	15 May 2023	12 Sep 2020
Machine Age	hrs	Client Info	0	0
Grease Age	hrs	Client Info	0	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		ATTENTION	ATTENTION	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	>200	640	240
Iron	ppm	ASTM D5185(m)	>250	188
Chromium	ppm	ASTM D5185(m)	>10	2
Nickel	ppm	ASTM D5185(m)	>5	1
Cadmium	ppm	ASTM D5185(m)		0
Titanium	ppm	ASTM D5185(m)		0
Vanadium	ppm	ASTM D5185(m)		0
Lead	ppm	ASTM D5185(m)	>25	2
Copper	ppm	ASTM D5185(m)	>75	20
Tin	ppm	ASTM D5185(m)	>5	1
Silver	ppm	ASTM D5185(m)	>5	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		5
Magnesium	ppm	ASTM D5185(m)		5
Manganese	ppm	ASTM D5185(m)		2
Molybdenum	ppm	ASTM D5185(m)		0
Phosphorus	ppm	ASTM D5185(m)		8
Zinc	ppm	ASTM D5185(m)		10
Antimony	ppm	ASTM D5185(m)		0

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		<1
Barium	ppm	ASTM D5185(m)		0
Calcium	ppm	ASTM D5185(m)		236
Sodium	ppm	ASTM D5185(m)		9
Lithium	ppm	ASTM D5185(m)		46
Sulfur	ppm	ASTM D5185(m)		421

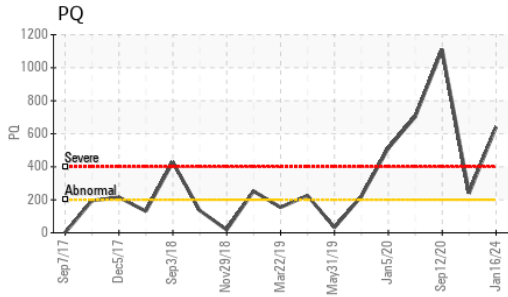
CONTAMINANTS

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

GREASE CONDITION

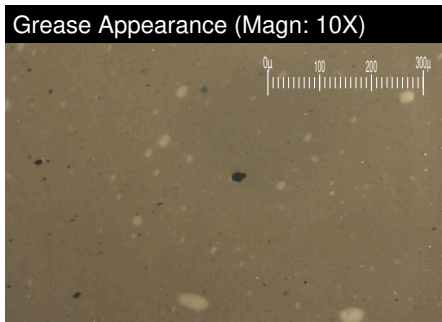
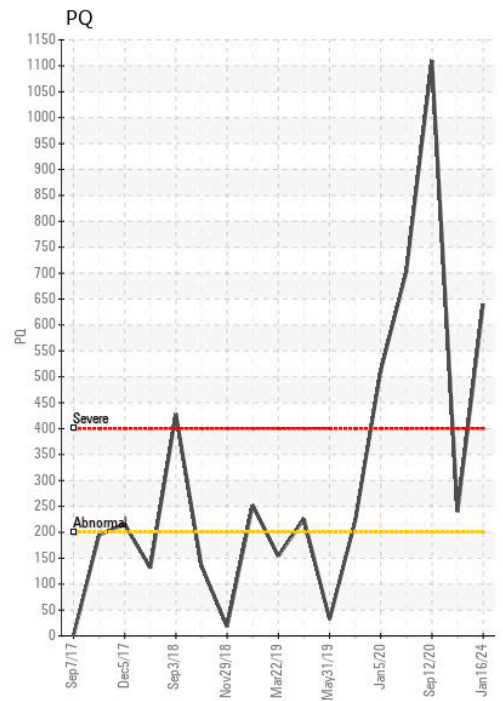
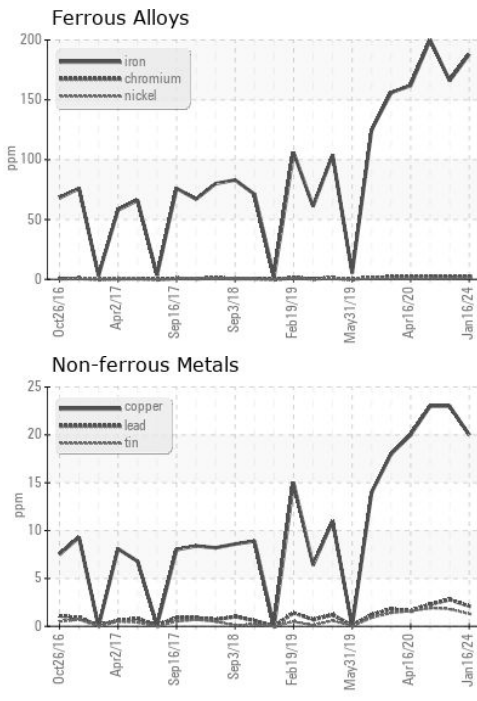
method	limit/base	current	history1	history2
Grease Color	Visual*	Gold	Brown	Gold
Texture	In-house*	Buttery	Stringy	Stringy
NLGI Consistency	NLGI Scale	SKF Method* 1	0	0-1

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. : PC
Lab Number : 02609594
Unique Number : 5710680
Test Package : GRS 1 (Additional Tests: BottomAnalysis)

Received : 17 Jan 2024
Diagnosed : 19 Jan 2024
Diagnostician : Bill Quesnel

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.

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