



WEAR	NORMAL
GREASE CONDITION	NORMAL
CONTAMINANTS	ATTENTION

Area
Turret
 Machine Id
GS02 - Torque Tube Brg Grease (S/N Sample Tag: NC-05603)
 Component
Grease
 Fluid
PETRO CANADA PRECISION SYNTHETIC (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC	PC	PC
Sample Date		Client Info		16 Jan 2024	27 Jun 2023	15 May 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				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>200	560	580	200
Iron	ppm	ASTM D5185(m)	>250	165	156	166
Chromium	ppm	ASTM D5185(m)	>10	2	2	2
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	1	2	2
Copper	ppm	ASTM D5185(m)	>75	16	20	21
Tin	ppm	ASTM D5185(m)	>5	<1	1	2
Silver	ppm	ASTM D5185(m)	>5	0	0	0

GREASE CONDITION

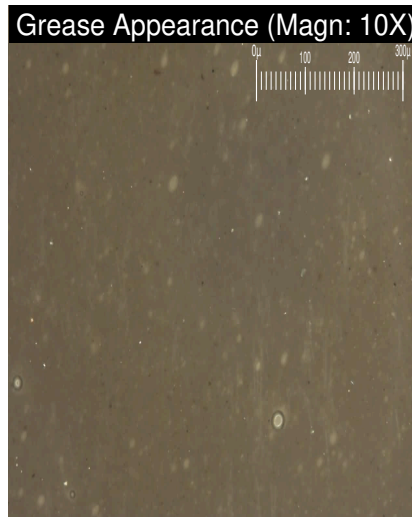
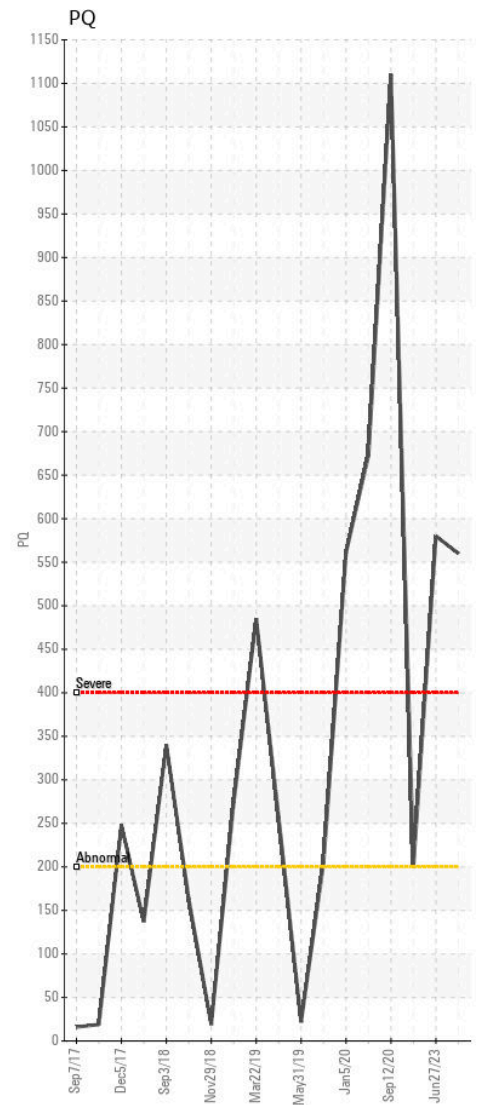
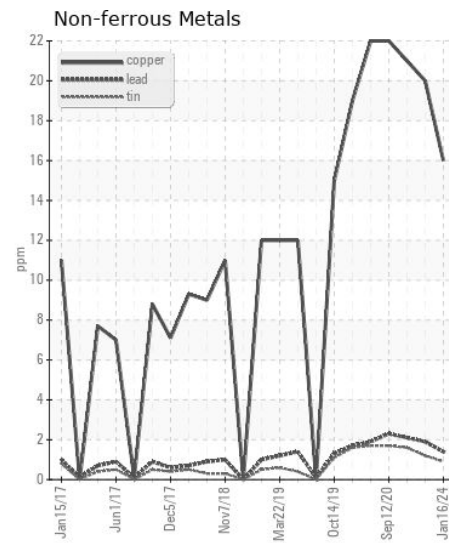
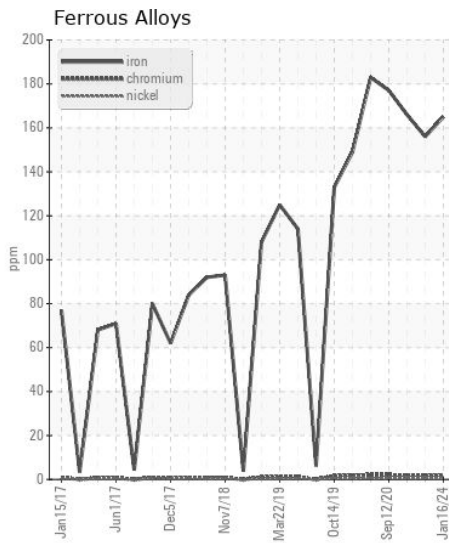
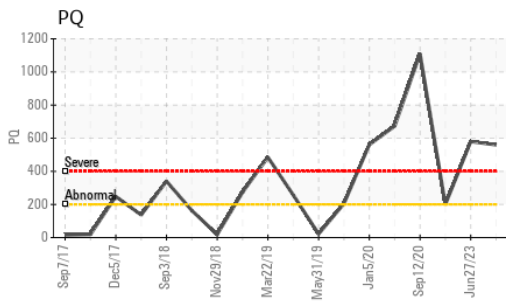
The condition of the grease is acceptable for the time in service.

Boron	ppm	ASTM D5185(m)		13	1	1
Magnesium	ppm	ASTM D5185(m)		7	3	3
Manganese	ppm	ASTM D5185(m)		2	2	2
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Phosphorus	ppm	ASTM D5185(m)		6	8	22
Zinc	ppm	ASTM D5185(m)		15	6	5
Aluminum	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		511	60	46
Sodium	ppm	ASTM D5185(m)		13	5	6
Lithium	ppm	ASTM D5185(m)		38	41	47
Sulfur	ppm	ASTM D5185(m)		411	360	436
Grease Color		Visual*	Gold	Brown	Brown	Gold
Texture		In-house*	Buttery	Stringy	Stringy	Stringy
NLGI Consistency	NLGI Scale	SKF Method*	1	0	0-1	0

CONTAMINANTS

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

Water		WC Method	>0.1	NEG	NEG	NEG
Silicon	ppm	ASTM D5185(m)	>150	1	<1	1
Potassium	ppm	ASTM D5185(m)		2	0	0



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 17 Jan 2024
Lab Number : 02609595 **Diagnosed** : 19 Jan 2024
Unique Number : 5710681 **Diagnostician** : 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
 joshhynes@suncor.com
 T: (709)778-3575
 F: (709)724-2835