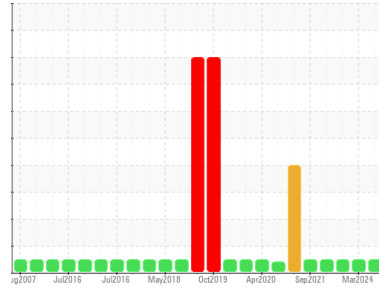


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area

CRANES

Machine Id

Crane - Aft Slew Brg Grease (S/N Sample tag: MA-04001)

Component

Aft Grease

Fluid

PETRO CANADA PRECISION XL EP2 (--- LTR)

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			30 Apr 2024	17 Mar 2024	17 Feb 2024
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	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	360	0	551
Iron	ppm	ASTM D5185(m)	>250	34	1	50
Chromium	ppm	ASTM D5185(m)	>10	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	1	<1	1
Cadmium	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	4	0	4
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	0	0

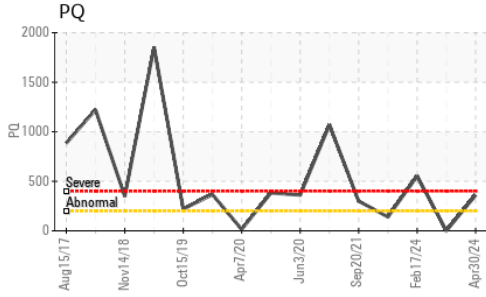
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	<1	<1
Magnesium	ppm	ASTM D5185(m)		2	<1	12
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		41	0	122
Phosphorus	ppm	ASTM D5185(m)		36	5	33
Zinc	ppm	ASTM D5185(m)		35	10	49
Antimony	ppm	ASTM D5185(m)		16	0	23

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)		7	<1	2
Barium	ppm	ASTM D5185(m)		4	0	3
Calcium	ppm	ASTM D5185(m)		128	31	109
Sodium	ppm	ASTM D5185(m)		16	3	59
Lithium	ppm	ASTM D5185(m)		143	102	172
Sulfur	ppm	ASTM D5185(m)		636	375	604

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	16	<1	2
Potassium	ppm	ASTM D5185(m)		1	<1	4

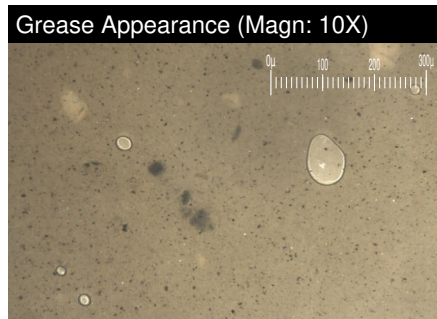
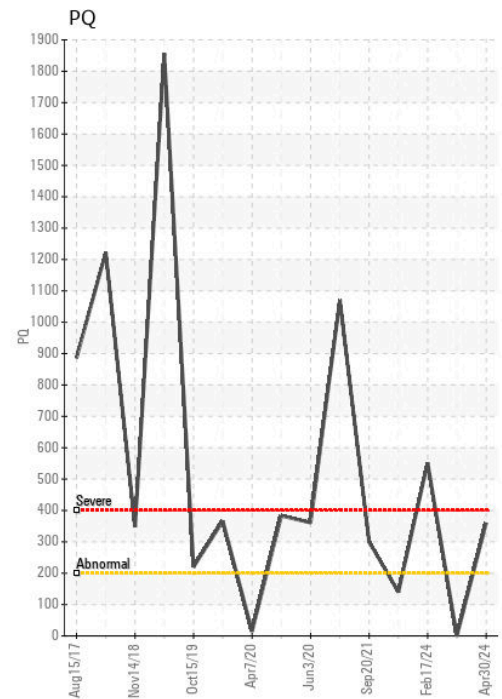
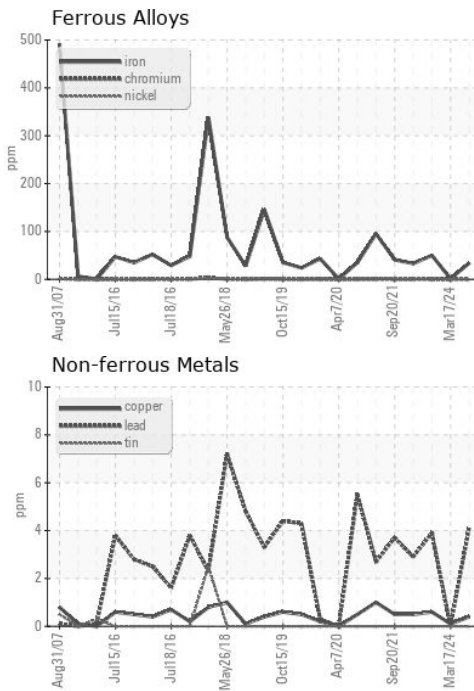
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	Brown	Brown	Black
Texture	In-house*		Stringy	Stringy	Stringy	Stringy
NLGI Consistency	NLGI Scale	SKF Method*	2	2	3	1-2

GREASE ANALYSIS



SAMPLE IMAGES				method	limit/base	current	history1	history2
Color								
Bottom								
PrtFilter								

GRAPHS



CALA
ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC
Lab Number : 02636240
Unique Number : 5785402
Test Package : GRS 1 (Additional Tests: BottomAnalysis)
Received : 16 May 2024
Tested : 22 May 2024
Diagnosed : 22 May 2024 - Bill Quesnel

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.