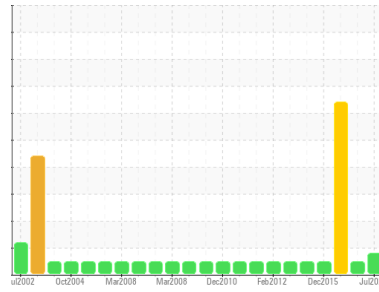


GREASE ANALYSIS

Sample Rating Trend



VISCOSITY



Area

CRANES

Machine Id

Slew Bearing - Aft Crane Counter weight (S/N Sample Tag MA-04001)

Component

Grease

Fluid

PETRO CANADA PRECISION XL EP2 (--- LTR)

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 1-1/2 NLGI grades from NLGI 2 to 3-4.

Contaminants

There is no indication of any contamination in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PC0080133	PC	PC
Sample Date	Client Info			15 Jul 2024	30 Apr 2024	31 Dec 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				MARGINAL	NORMAL	ABNORMAL

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	510	280	▲ 339
Iron	ppm	ASTM D5185(m)	>250	65	25	▲ 168
Chromium	ppm	ASTM D5185(m)	>10	<1	0	1
Nickel	ppm	ASTM D5185(m)	>5	<1	1	2
Cadmium	ppm	ASTM D5185(m)		0	0	0
Titanium	ppm	ASTM D5185(m)		<1	<1	3
Vanadium	ppm	ASTM D5185(m)		0	0	0
Lead	ppm	ASTM D5185(m)	>25	4	3	2
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

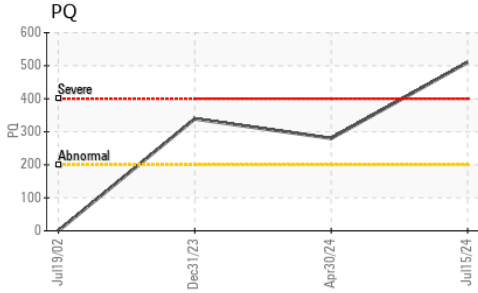
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	20	<1	3	3
Magnesium	ppm	ASTM D5185(m)	0	13	2	24
Manganese	ppm	ASTM D5185(m)	0	1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	217	32	22
Phosphorus	ppm	ASTM D5185(m)	25	33	35	25
Zinc	ppm	ASTM D5185(m)	0	55	34	26
Antimony	ppm	ASTM D5185(m)	15	21	21	10

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	0	2	4	● 151
Barium	ppm	ASTM D5185(m)	0	3	3	4
Calcium	ppm	ASTM D5185(m)	0	121	156	452
Sodium	ppm	ASTM D5185(m)	2	65	12	23
Lithium	ppm	ASTM D5185(m)	300	204	150	82
Sulfur	ppm	ASTM D5185(m)	700	679	627	659

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>150	4	9	▲ 385
Potassium	ppm	ASTM D5185(m)		4	1	3

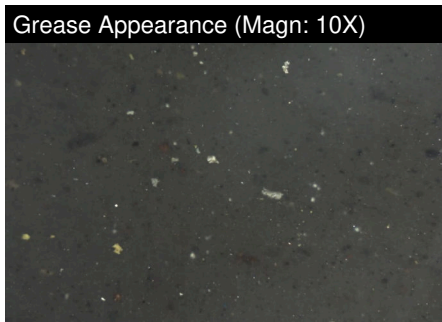
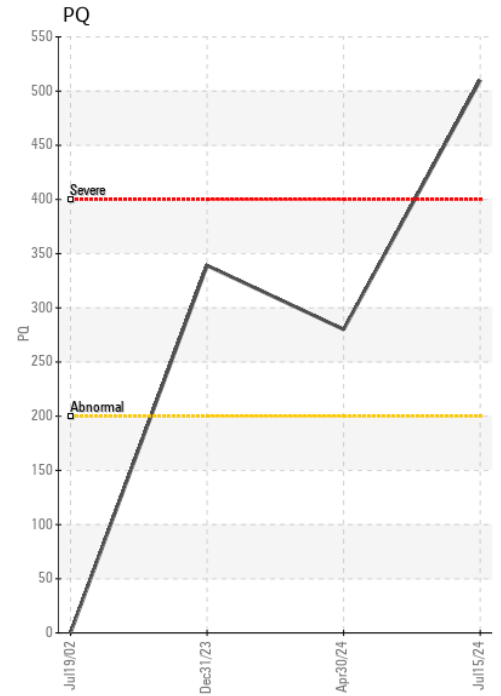
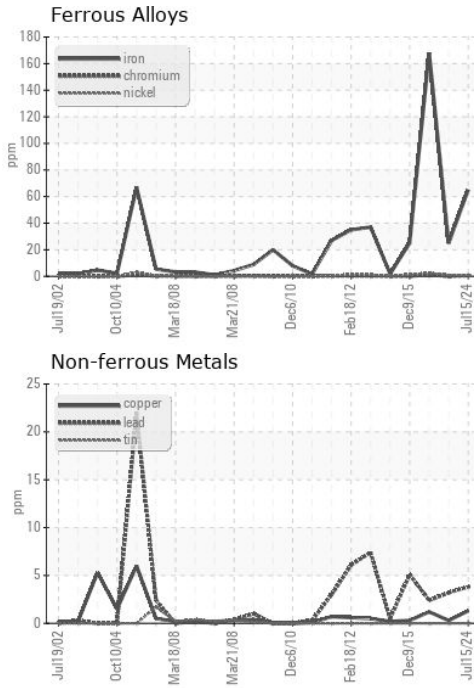
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color	Visual*		Brown	Black	Brown	Black
Texture	In-house*		Stringy	Stringy	Stringy	Stringy
NLGI Consistency	NLGI Scale	SKF Method*	2	▲ 3-4	2	1

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. : PC0080133 **Received** : 16 Jul 2024
Lab Number : **02648272** **Tested** : 17 Jul 2024
Unique Number : 5813824 **Diagnosed** : 18 Jul 2024 - 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.

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