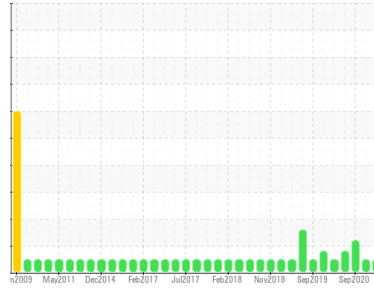


GREASE ANALYSIS

Sample Rating Trend



NORMAL



Area
Turret [450242710]
Machine Id
Turret Swivel #3 - 12" Production Grease Sample (S/N Sample Tag: NC-21602)
Component
Grease
Fluid
PETRO CANADA GREASE OG-1 (--- 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

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	04 Jan 2024	31 Jul 2023	17 Sep 2020
Machine Age	days	Client Info	0	0
Grease Age	days	Client Info	0	0
Grease Serviced	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	ATTENTION

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	0	0	160
Iron	ppm ASTM D5185(m) >250	4	2	6
Chromium	ppm ASTM D5185(m) >10	0	0	<1
Nickel	ppm ASTM D5185(m) >5	<1	0	<1
Cadmium	ppm ASTM D5185(m)	0	0	0
Titanium	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Lead	ppm ASTM D5185(m) >25	0	0	0
Copper	ppm ASTM D5185(m) >75	0	0	<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)	147	142	▲ 8
Magnesium	ppm ASTM D5185(m)	6	5	<1
Manganese	ppm ASTM D5185(m)	0	0	0
Molybdenum	ppm ASTM D5185(m)	0	0	<1
Phosphorus	ppm ASTM D5185(m)	3	7	15
Zinc	ppm ASTM D5185(m)	25	2	2
Antimony	ppm ASTM D5185(m)	0	0	<1

THICKENER/SOAP

method	limit/base	current	history1	history2
Aluminum	ppm ASTM D5185(m)	2	1	<1
Barium	ppm ASTM D5185(m)	0	0	<1
Calcium	ppm ASTM D5185(m)	3734	3712	▲ 173
Sodium	ppm ASTM D5185(m)	9	3	3
Lithium	ppm ASTM D5185(m)	17	2	130
Sulfur	ppm ASTM D5185(m)	763	691	▲ 469

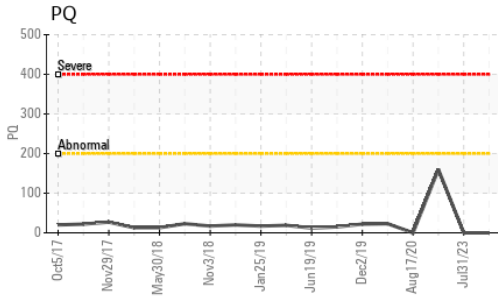
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >150	23	2	31
Potassium	ppm ASTM D5185(m)	4	2	<1

GREASE CONDITION

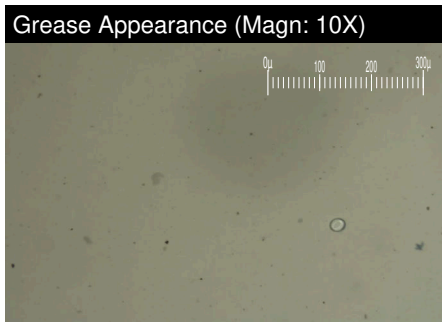
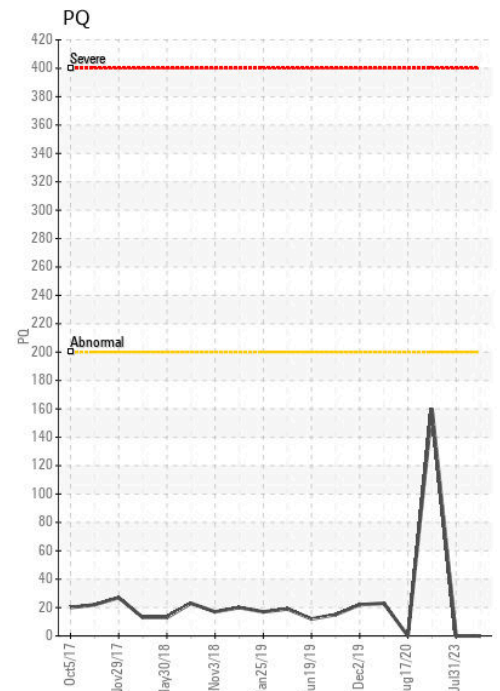
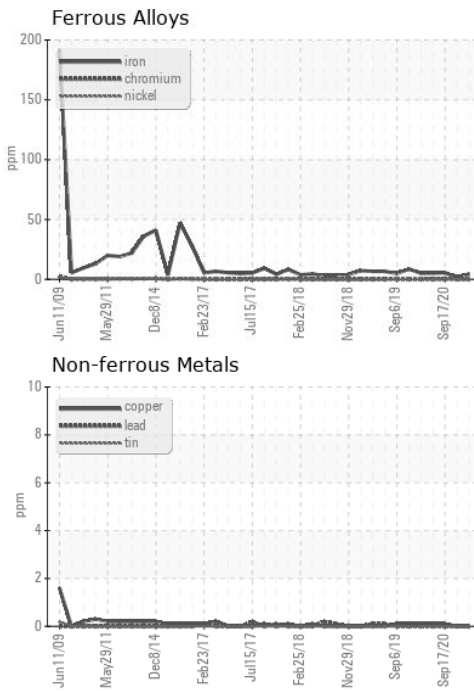
method	limit/base	current	history1	history2
Grease Color	Visual* Tan	Beige	Tan	Yellow
Texture	In-house* Buttery	Buttery	Buttery	Short fiber
NLGI Consistency	NLGI Scale SKF Method* 1	1-2	1-2	00-0

GREASE ANALYSIS



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

GRAPHS



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 17 Jan 2024
Lab Number : 02609589 **Diagnosed** : 19 Jan 2024
Unique Number : 5710675 **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.

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