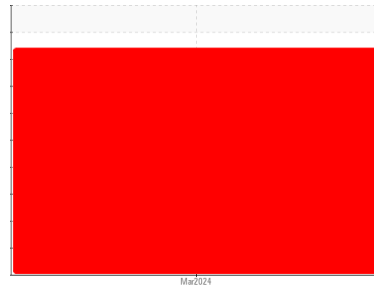


PROBLEM SUMMARY

Machine Id
3 STOVE FAN BEARING LID
 Component
Grease
 Fluid
PETRO CANADA PRECISION SYNTHETIC 220 (--- GAL)

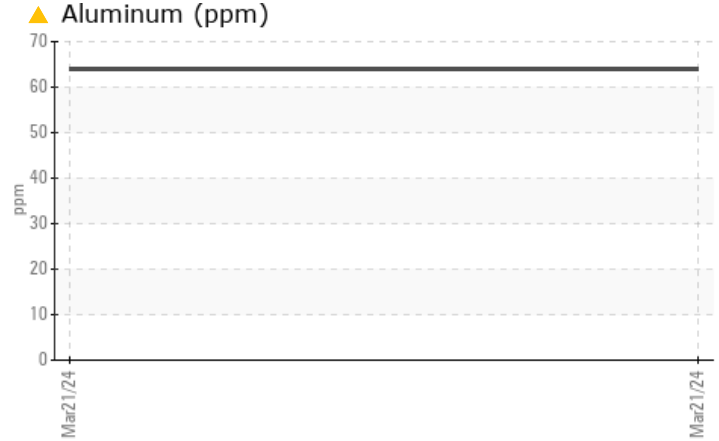
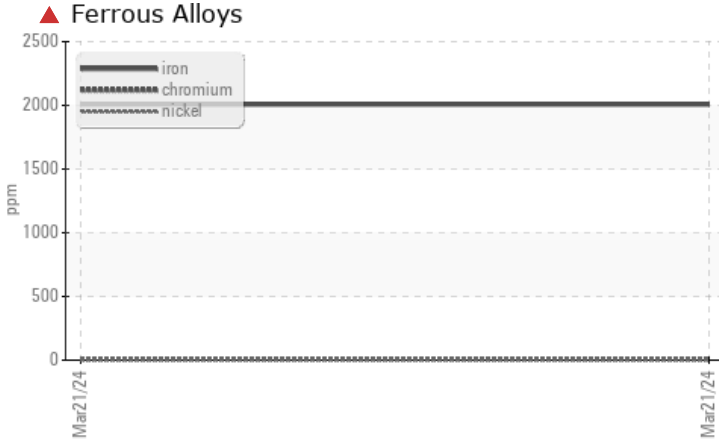
Sample Rating Trend



WEAR



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>250	▲ 2007	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 8	---	---
Aluminum	ppm	ASTM D5185m		▲ 64	---	---

Customer Id: YVEWAU
 Sample No.: PCA06126033
 Lab Number: 06126033
 Test Package: GRS 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Monitor	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Change Fluid	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Resample	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.

HISTORICAL DIAGNOSIS

GREASE ANALYSIS

Sample Rating Trend



WEAR



Machine Id
3 STOVE FAN BEARING LID
 Component
Grease
 Fluid
PETRO CANADA PRECISION SYNTHETIC 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

We suspect abnormal contamination may be due to sampling method. Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.

▲ Wear

The iron level is severe.

▲ Grease Condition

The grease oil-bleed is lower than normal.

▲ Contaminants

Moderate concentration of visible dirt/debris present in the grease.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			PCA06126033	---	---
Sample Date	Client Info			21 Mar 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Grease Age	hrs	Client Info		0	---	---
Grease Serviced	Client Info			N/A	---	---
Sample Status				SEVERE	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	▲ 2007	---	---
Chromium	ppm	ASTM D5185m	>10	7	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 8	---	---
Cadmium	ppm	ASTM D5185m		0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>75	2	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Silver	ppm	ASTM D5185m	>5	2	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		231	---	---
Magnesium	ppm	ASTM D5185m		13	---	---
Manganese	ppm	ASTM D5185m		10	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Phosphorus	ppm	ASTM D5185m		477	---	---
Zinc	ppm	ASTM D5185m		129	---	---

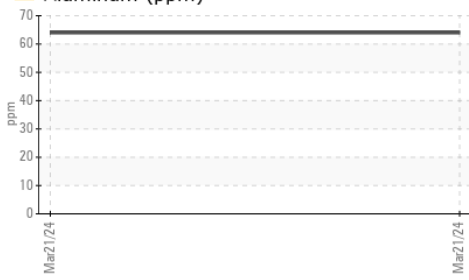
THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		▲ 64	---	---
Barium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		426	---	---
Sodium	ppm	ASTM D5185m		19	---	---
Lithium	ppm	ASTM D5185m		2816	---	---
Sulfur	ppm	ASTM D5185m		6797	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	1049	---	---
Potassium	ppm	ASTM D5185m		246	---	---
Water	%	ASTM D6304	>0.1	0.016	---	---
ppm Water	ppm	ASTM D6304	>1000	164	---	---

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

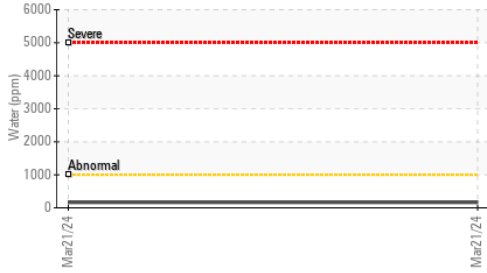
GREASE ANALYSIS

▲ Aluminum (ppm)



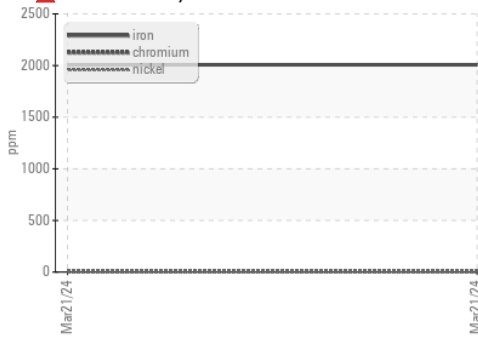
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image
PrtFilter			no image	no image	no image

▲ Water (KF)

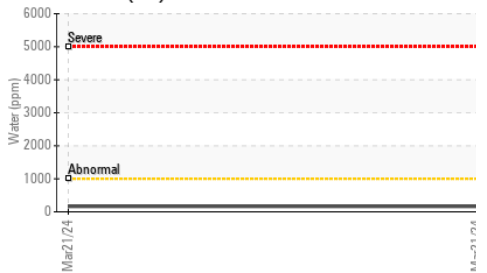


GRAPHS

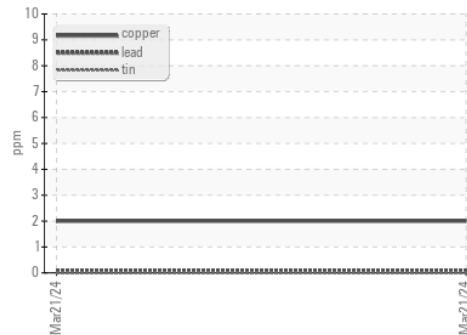
▲ Ferrous Alloys



▲ Water (KF)



Non-ferrous Metals



Water



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA06126033 **Received** : 21 Mar 2024
Lab Number : 06126033 **Tested** : 07 Apr 2024
Unique Number : 10940184 **Diagnosed** : 07 Apr 2024 - Doug Bogart
Test Package : GRS 2 (Additional Tests: SCREEN)

YVETTE TRZCINSKI
 850 WESTBROOKE PKWY
 WAUKESHA, WI
 US 53186
 Contact: YVETTE TRZCINSKI
 yvette.trzcinski@hfsinclair.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: