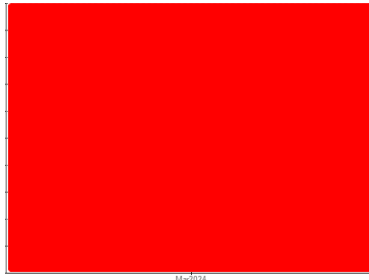


PROBLEM SUMMARY

Sample Rating Trend

WEAR



Machine Id
2 STOVE FAN

Component
Grease

Fluid
PETRO CANADA PRECISION SYNTHETIC 220 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



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	▲ 2310	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 16	---	---
Nickel	ppm	ASTM D5185m	>5	▲ 35	---	---

Customer Id: YVEWAU
Sample No.: PCA06126035
Lab Number: 06126035
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

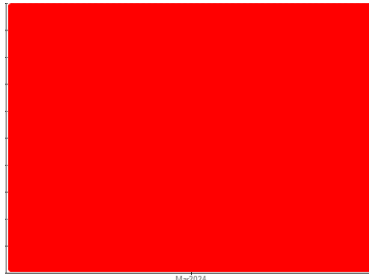
Action	Status	Date	Done By	Description
Monitor	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend of iron level.
Change Fluid	---	---	?	Re-sample to verify the actual oil condition. Purge old grease if still abnormal and monitor the trend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

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		PCA06126035	---	---
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	▲ 2310	---	---
Chromium	ppm	ASTM D5185m >10	▲ 16	---	---
Nickel	ppm	ASTM D5185m >5	▲ 35	---	---
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	4	---	---
Tin	ppm	ASTM D5185m >5	0	---	---
Silver	ppm	ASTM D5185m >5	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	225	---	---
Magnesium	ppm	ASTM D5185m	35	---	---
Manganese	ppm	ASTM D5185m	16	---	---
Molybdenum	ppm	ASTM D5185m	2	---	---
Phosphorus	ppm	ASTM D5185m	710	---	---
Zinc	ppm	ASTM D5185m	340	---	---

THICKENER/SOAP

	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m	91	---	---
Barium	ppm	ASTM D5185m	0	---	---
Calcium	ppm	ASTM D5185m	1138	---	---
Sodium	ppm	ASTM D5185m	22	---	---
Lithium	ppm	ASTM D5185m	3280	---	---
Sulfur	ppm	ASTM D5185m	6482	---	---

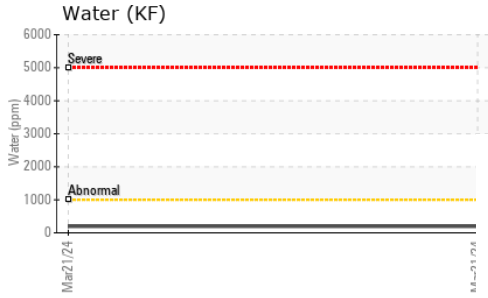
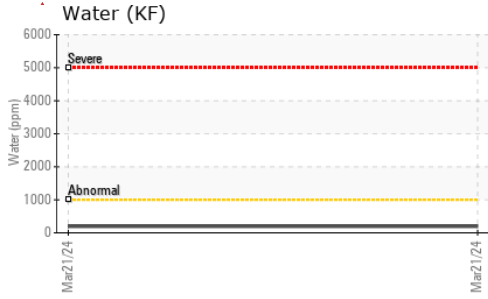
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >150	128	---	---
Potassium	ppm	ASTM D5185m	260	---	---
Water	%	ASTM D6304 >0.1	0.019	---	---
ppm Water	ppm	ASTM D6304 >1000	196	---	---

GREASE CONDITION

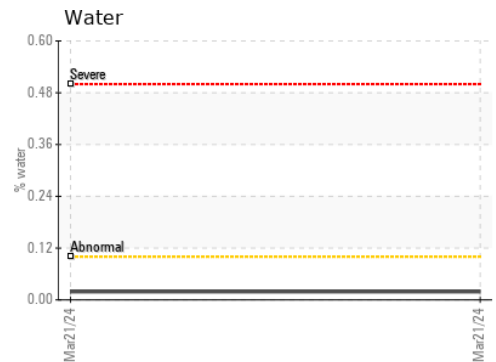
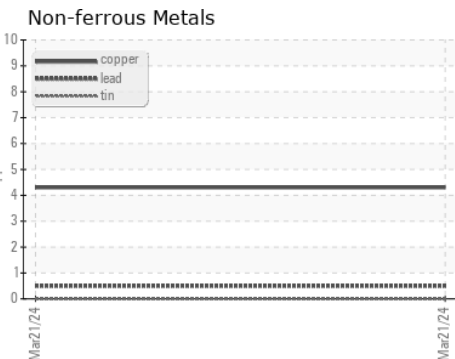
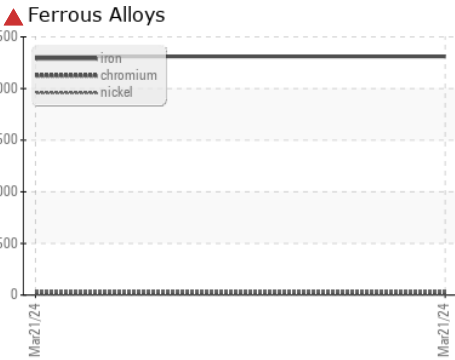
	method	limit/base	current	history1	history2
Grease Color	*Visual		Brown	---	---
Texture	*In-house		Buttery	---	---
NLGI Consistency	NLGI Scale *SKF Method		2-3	---	---

GREASE ANALYSIS



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA06126035 **Received** : 21 Mar 2024
Lab Number : 06126035 **Tested** : 05 Apr 2024
Unique Number : 10940186 **Diagnosed** : 05 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: