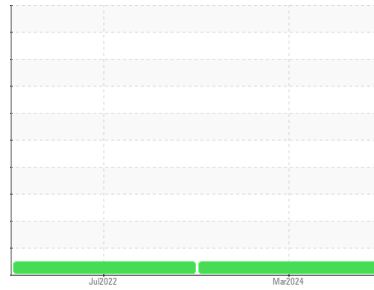


# GREASE ANALYSIS

## Sample Rating Trend



**NORMAL**



Machine Id  
**PETRO CANADA PRECISION SYNTHETIC 220 - NEW**  
 Component  
**Grease**  
 Fluid  
 {not provided} (--- GAL)

### DIAGNOSIS

#### Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA06126032</b>	PCA05596390	---
Sample Date	Client Info			<b>21 Mar 2024</b>	19 Jul 2022	---
Machine Age	days	Client Info		<b>0</b>	0	---
Grease Age	days	Client Info		<b>0</b>	0	---
Grease Serviced	Client Info			<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>250	<b>13</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	---	---
Silver	ppm	ASTM D5185m	>5	<b>2</b>	---	---

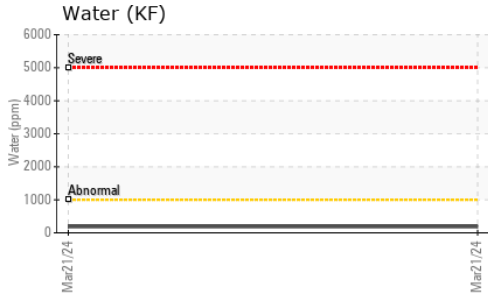
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>161</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>161</b>	---	---
Zinc	ppm	ASTM D5185m		<b>11</b>	---	---

THICKENER/SOAP		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>5</b>	---	---
Calcium	ppm	ASTM D5185m		<b>6</b>	---	---
Sodium	ppm	ASTM D5185m		<b>8</b>	---	---
Lithium	ppm	ASTM D5185m		<b>1294</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>4766</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>150	<b>821</b>	---	---
Potassium	ppm	ASTM D5185m		<b>101</b>	---	---
Water	%	ASTM D6304	>0.1	<b>0.018</b>	---	---
ppm Water	ppm	ASTM D6304	>1000	<b>187</b>	---	---

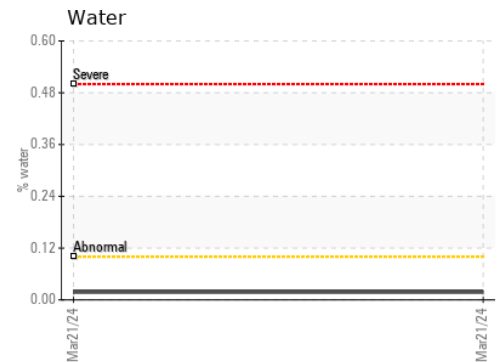
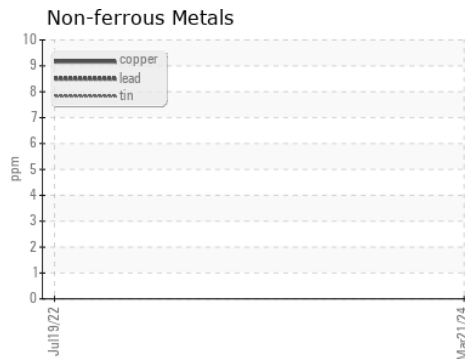
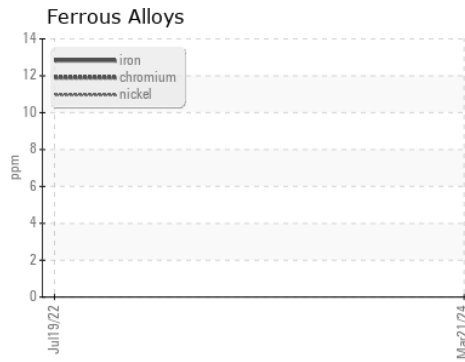
GREASE CONDITION		method	limit/base	current	history1	history2
Grease Color		*Visual		<b>Yellow</b>	---	---
Texture		*In-house		<b>Buttery</b>	---	---
NLGI Consistency	NLGI Scale	*SKF Method		<b>1-2</b>	---	---

# GREASE ANALYSIS



SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image		no image
Bottom				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.** : PCA06126032      **Received** : 21 Mar 2024  
**Lab Number** : **06126032**      **Tested** : 05 Apr 2024  
**Unique Number** : 10940183      **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: