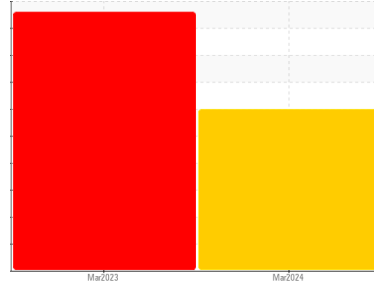




Machine Id  
**CC-7**  
 Component  
**Chain Case**  
 Fluid  
**PETRO CANADA GEARLUBE TOS 80W90 (--- LTR)**



## DIAGNOSIS

- ▲ Recommendation**  
 We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.
- ▲ Wear**  
 Bearing and/or bushing wear is indicated.
- ▲ Contamination**  
 There is a very high concentration of water present in the oil.
- Fluid Condition**  
 The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0113916</b>	PCA0083705	---
Sample Date	Client Info	<b>11 Mar 2024</b>	15 Mar 2023	---
Machine Age	hrs	Client Info	0	2863
Oil Age	hrs	Client Info	0	500
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>SEVERE</b>	SEVERE	---

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >632	<b>170</b>	▲ 1222	---
Chromium	ppm	ASTM D5185m >3	<b>1</b>	▲ 5	---
Nickel	ppm	ASTM D5185m >3	<b>2</b>	2	---
Titanium	ppm	ASTM D5185m	<1	1	---
Silver	ppm	ASTM D5185m	<1	0	---
Aluminum	ppm	ASTM D5185m >19	<b>10</b>	9	---
Lead	ppm	ASTM D5185m >6	▲ <b>14</b>	0	---
Copper	ppm	ASTM D5185m >46	▲ <b>83</b>	10	---
Tin	ppm	ASTM D5185m >3	▲ <b>10</b>	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	<1	---

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 274	<b>141</b>	● 13	---
Barium	ppm	ASTM D5185m 0.0	<b>13</b>	2	---
Molybdenum	ppm	ASTM D5185m 0.0	<b>13</b>	● 61	---
Manganese	ppm	ASTM D5185m	<b>4</b>	12	---
Magnesium	ppm	ASTM D5185m 5.5	<b>132</b>	● 952	---
Calcium	ppm	ASTM D5185m 9.9	<b>210</b>	● 1134	---
Phosphorus	ppm	ASTM D5185m 855	<b>793</b>	1069	---
Zinc	ppm	ASTM D5185m 10	<b>91</b>	● 1272	---
Sulfur	ppm	ASTM D5185m 14849	<b>16809</b>	● 3981	---

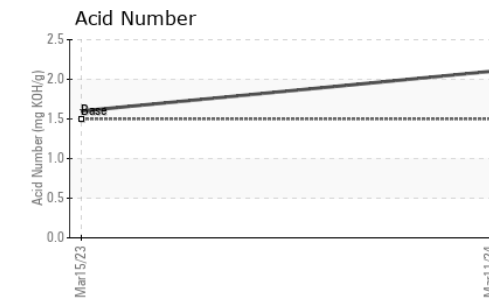
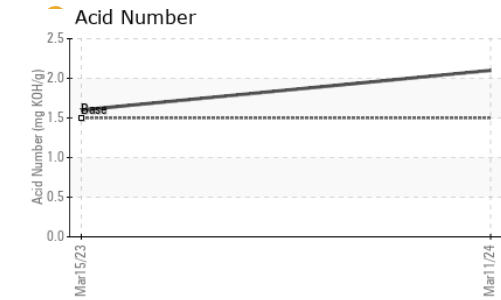
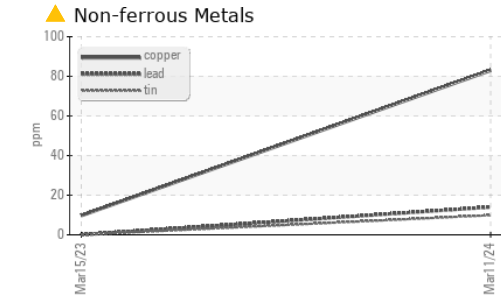
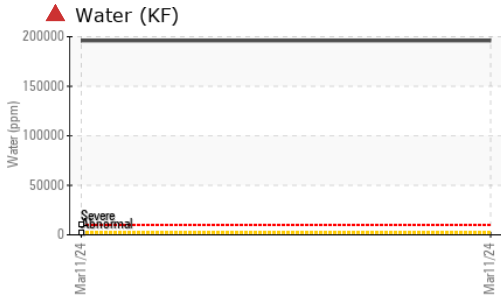
## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >82	<b>36</b>	69	---
Sodium	ppm	ASTM D5185m	<1	3	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	1	---
Water	%	ASTM D6304 >0.2	▲ <b>19.6</b>	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ <b>196000</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 1.5	<b>2.10</b>	1.60	---

# OIL ANALYSIS REPORT



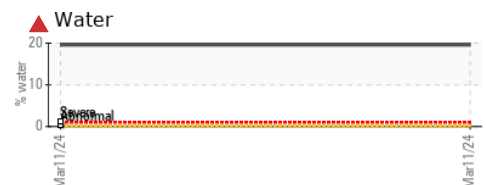
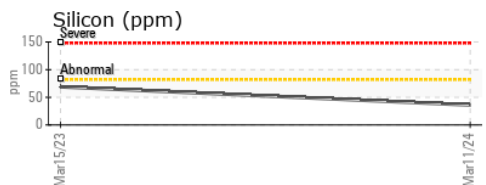
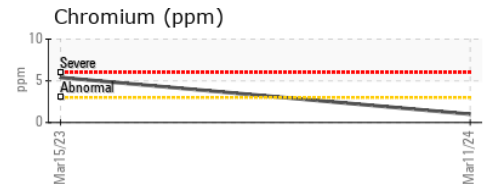
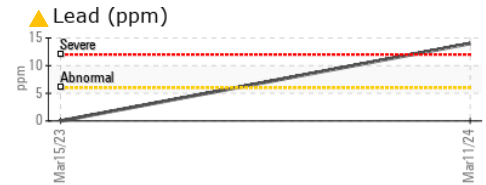
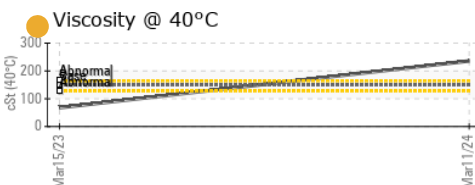
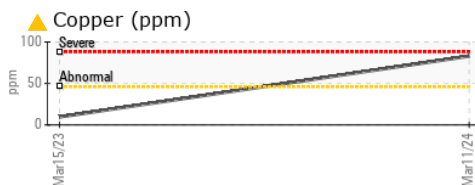
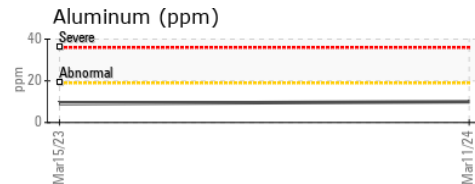
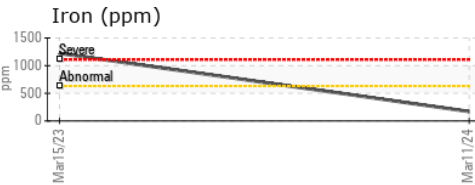
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	149	236	67.82

PARAMETER	method	limit/base	current	history1	history2
-----------	--------	------------	---------	----------	----------

PARAMETER	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0113916 **Received** : 26 Mar 2024  
**Lab Number** : 06129534 **Tested** : 27 Mar 2024  
**Unique Number** : 10943685 **Diagnosed** : 29 Mar 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KF )

**SCRAP METAL SERVICES (SMS Mill Services LLC)**  
 250 WEST U.S. HWY 12  
 CHESTERTON, IN  
 US 46304  
 Contact: DOMINIC WHITE  
 dwhite@scrapmetalservices.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: