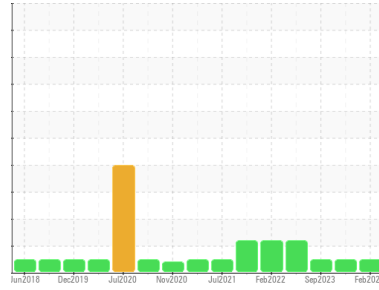


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**EISENBEISS RM 1 EXT (S/N 10003293)**  
 Component  
**Gear Extruder**  
 Fluid  
**PETRO CANADA ENDURATEX SYNTHETIC EP 460 (60 GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0110408</b>	PCA0098130	PCA0098141
Sample Date	Client Info		<b>15 Feb 2024</b>	26 Sep 2023	21 Sep 2023
Machine Age	mths	Client Info	<b>9</b>	102	0
Oil Age	mths	Client Info	<b>9</b>	102	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >150	<b>55</b>	31	52
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m >100	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>19</b>	<1	2
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Antimony	ppm	ASTM D5185m >5	<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 330	<b>38</b>	21	28
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m 5	<b>&lt;1</b>	4	<1
Calcium	ppm	ASTM D5185m 5	<b>2</b>	6	4
Phosphorus	ppm	ASTM D5185m 437	<b>386</b>	401	396
Zinc	ppm	ASTM D5185m 5	<b>70</b>	3	16
Sulfur	ppm	ASTM D5185m 5000	<b>6189</b>	6051	5776

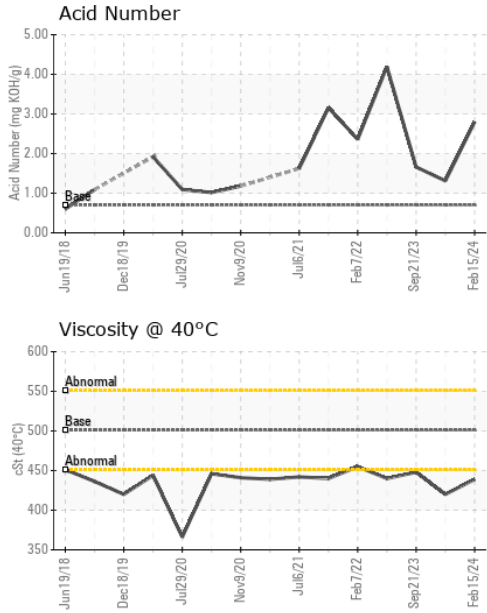
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	3
Sodium	ppm	ASTM D5185m	<b>0</b>	1	<1
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3	<1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.7	<b>2.80</b>	1.31	1.66

# OIL ANALYSIS REPORT

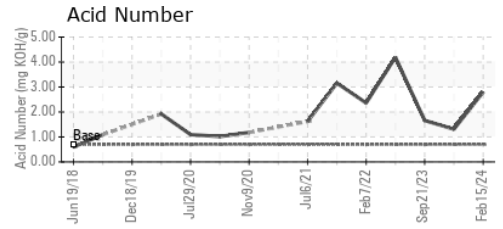
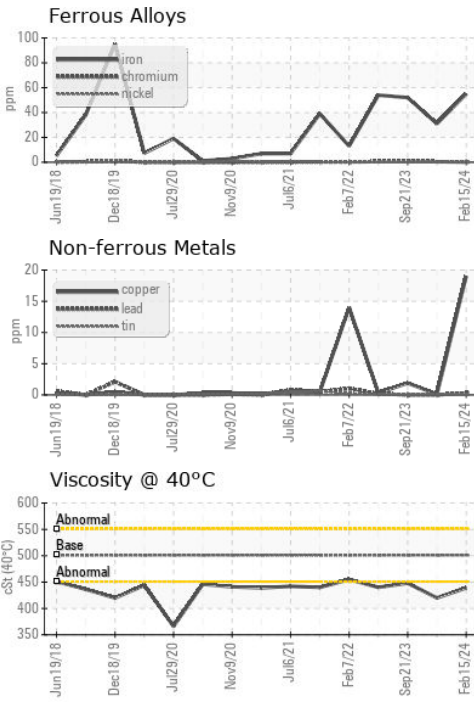


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 501	<b>439</b>	420	448

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0110408  
**Lab Number** : 06096345  
**Unique Number** : 10889198  
**Test Package** : IND 2

**Received** : 21 Feb 2024  
**Tested** : 22 Feb 2024  
**Diagnosed** : 23 Feb 2024 - Don Baldrige

**CERTAINTED CORP**  
 200 RONTHOR DR  
 SOCIAL CIRCLE, GA  
 US 30025  
 Contact: MARK KIRKPATRICK  
 MARK.W.KIRKPATRICK@SAINT-GOBAIN.COM  
 T:  
 F: (770)464-0878

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)