



Machine Id
EISENBEISS RM 1 EXT (S/N 10003293)

Component
Gear Extruder

Fluid
PETRO CANADA ENDURATEX SYNTHETIC EP 460 (60 GAL)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for diagnostic comment updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0110403	PCA0110408	PCA0098130
Sample Date		Client Info		22 May 2024	15 Feb 2024	26 Sep 2023
Machine Age	mths	Client Info		12	9	102
Oil Age	mths	Client Info		12	9	102
Filter Age	mths	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Moderate concentration of visible metal present. Gear wear is indicated.

Iron	ppm	ASTM D5185m	>150	▲ 155	55	31
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	2	1
Lead	ppm	ASTM D5185m	>100	0	<1	0
Copper	ppm	ASTM D5185m	>50	0	19	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

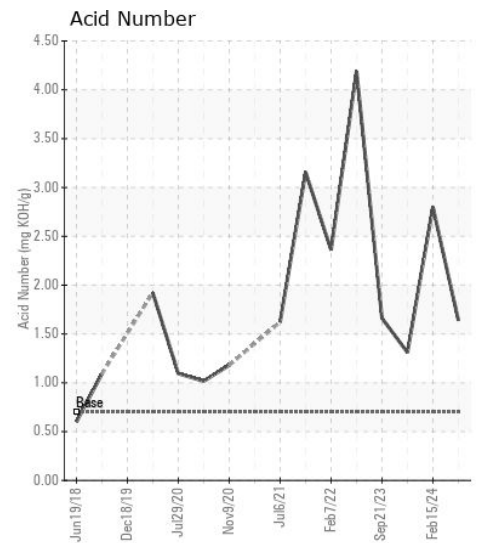
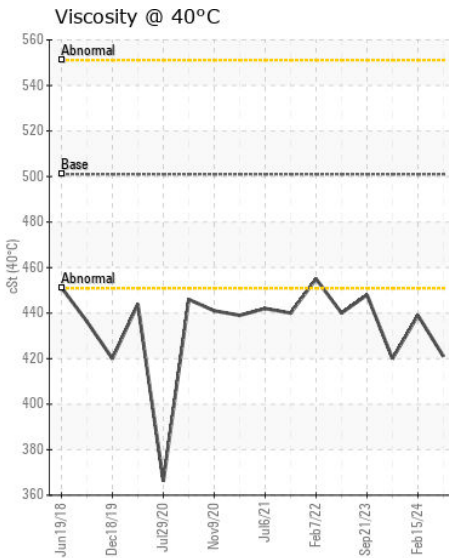
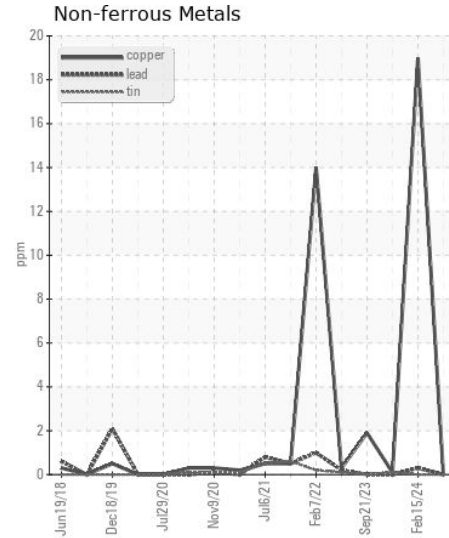
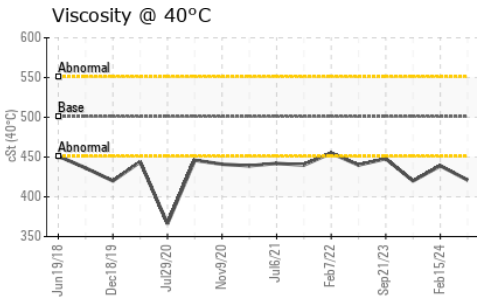
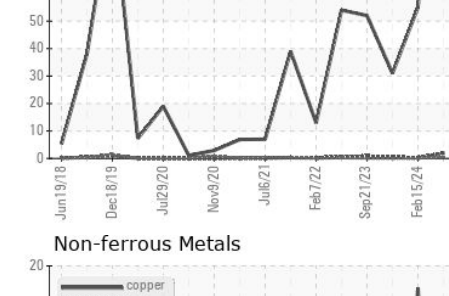
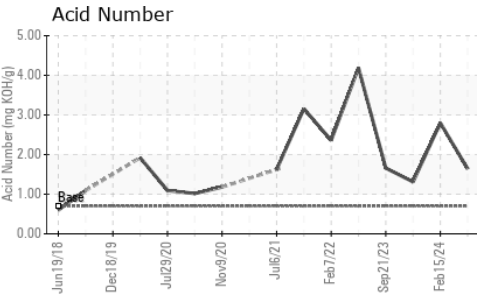
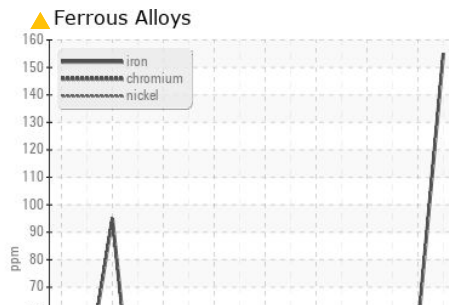
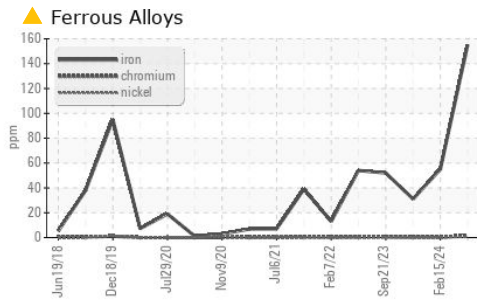
There is a moderate amount of visible silt present in the sample.

Silicon	ppm	ASTM D5185m	>50	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	1	2	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<1	0	1
Boron	ppm	ASTM D5185m	330	25	38	21
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m	5	0	<1	4
Calcium	ppm	ASTM D5185m	5	0	2	6
Phosphorus	ppm	ASTM D5185m	437	392	386	401
Zinc	ppm	ASTM D5185m	5	0	70	3
Sulfur	ppm	ASTM D5185m	5000	6943	6189	6051
Acid Number (AN)	mg KOH/g	ASTM D8045	0.7	1.64	2.80	1.31
Visc @ 40°C	cSt	ASTM D445	501	421	439	420



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0110403
Lab Number : 06192410
Unique Number : 11049162
Test Package : IND 2

Received : 28 May 2024
Tested : 29 May 2024
Diagnosed : 03 Jun 2024 - Doug Bogart

CERTAINTED CORP
 200 RONTHOR DR
 SOCIAL CIRCLE, GA
 US 30025

Contact: MARK KIRKPATRICK
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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)

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