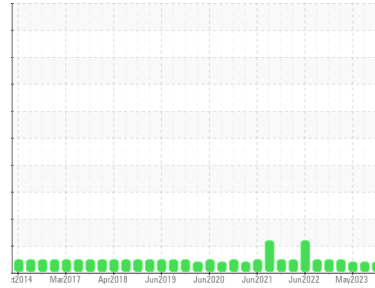


Machine Id
EISEN BEISS L-8 130 REDUCTION

Component
Gearbox
Fluid

PETRO CANADA ENDURATEX EP 220 (20 GAL)



DIAGNOSIS

- ▲ Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- ▲ Contamination**
Moderate concentration of visible dirt/debris present 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	PCA0116747	PCA0091853	PCA0091903
Sample Date	Client Info	13 Feb 2024	09 Aug 2023	02 May 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	NEG
-------	-----------	------	------------	-----	-----

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184		12	9	---
Iron	ppm	ASTM D5185m >200	3	4	2
Chromium	ppm	ASTM D5185m >15	0	0	<1
Nickel	ppm	ASTM D5185m >15	0	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	2	<1
Lead	ppm	ASTM D5185m >100	0	<1	0
Copper	ppm	ASTM D5185m >200	0	1	0
Tin	ppm	ASTM D5185m >25	<1	<1	0
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m 60	29	10	14
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0	<1	<1	<1
Magnesium	ppm	ASTM D5185m 0	0	0	2
Calcium	ppm	ASTM D5185m 0	0	0	0
Phosphorus	ppm	ASTM D5185m 270	428	391	465
Zinc	ppm	ASTM D5185m 0	<1	244	0
Sulfur	ppm	ASTM D5185m 11200	5544	5948	7311

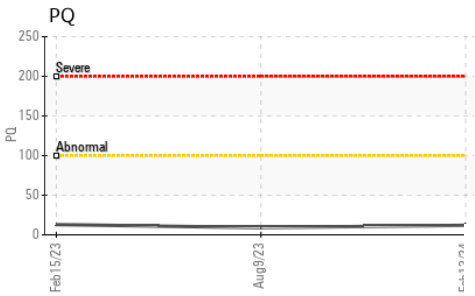
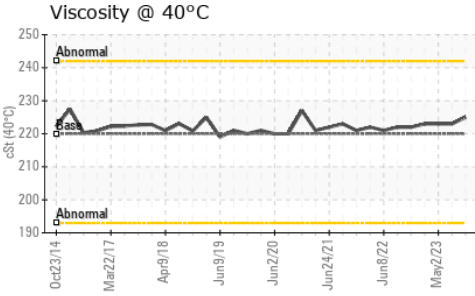
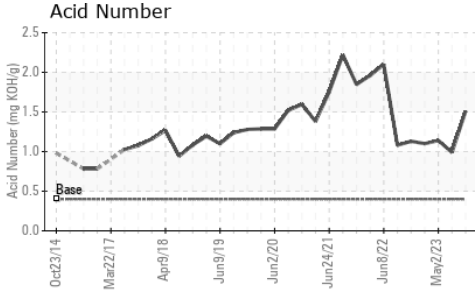
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m >50	17	11	17
Sodium	ppm	ASTM D5185m	0	5	<1
Potassium	ppm	ASTM D5185m >20	0	<1	1

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045 0.40	1.51	0.99	1.14
------------------	----------	-----------------	-------------	------	------

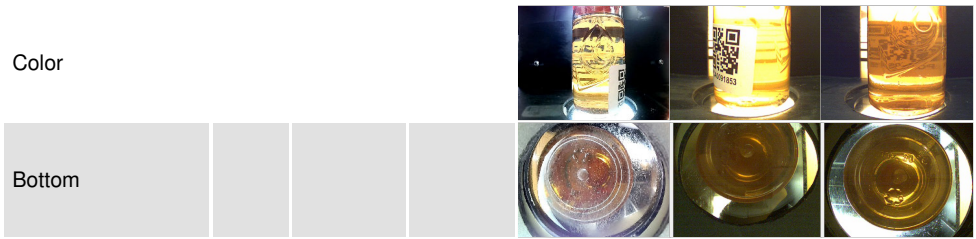
OIL ANALYSIS REPORT



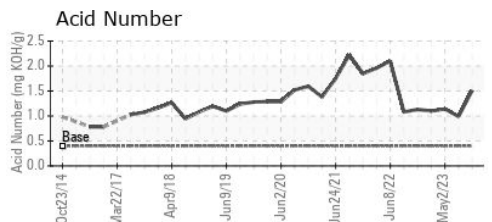
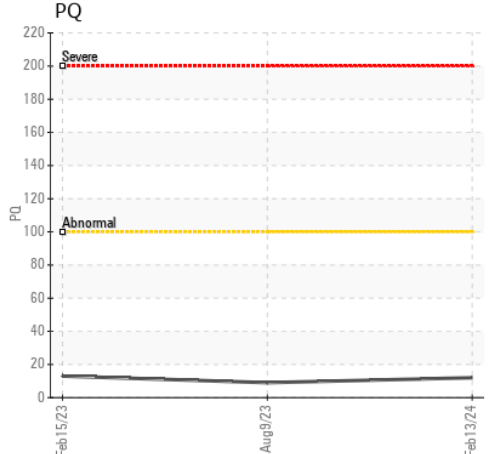
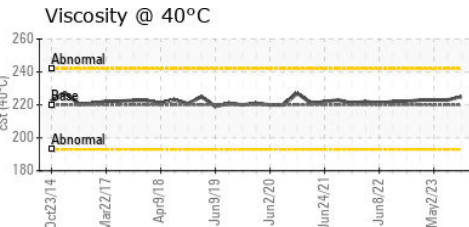
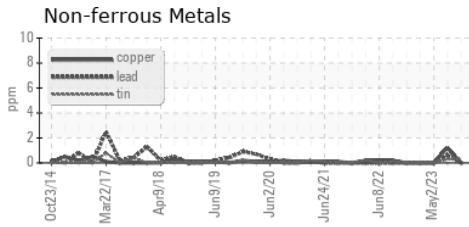
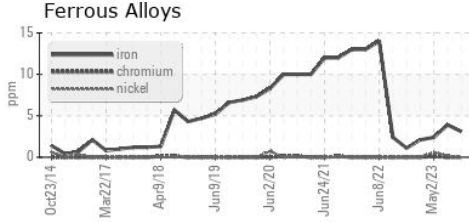
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	▲ MODER	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	225	223

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116747
Lab Number : 06088280
Unique Number : 10875725
Test Package : PLANT

Received : 13 Feb 2024
Tested : 14 Feb 2024
Diagnosed : 15 Feb 2024 - Don Baldrige

CERTAINTED VINYL PLANT
 2651 PENNY RD
 CLAREMONT, NC
 US 28613
 Contact: BRUCE JAMES
 bruce.a.james@saint-gobain.com
 T: (828)459-3320
 F: (828)459-3329

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)