



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
Copperhead Gap 2
 Component
Compressor
 Fluid
PETRO CANADA TURBOFLO R&O 150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment:
 Top Up Amount: 60 GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0111941	PCA0111986	PCA0111940
Sample Date		Client Info		12 Feb 2024	02 Jan 2024	01 Dec 2023
Machine Age	hrs	Client Info		115923	115443	115416
Oil Age	hrs	Client Info		115923	114580	115416
Filter Age	hrs	Client Info		115923	114580	0
Oil Changed		Client Info		Oil Added	Oil Added	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	1
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

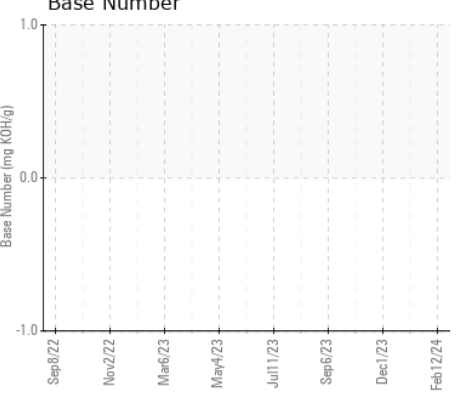
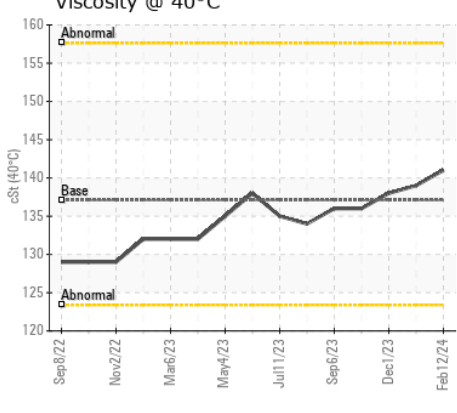
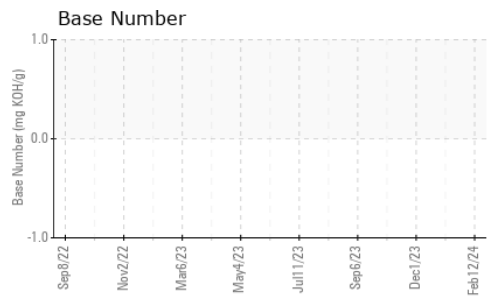
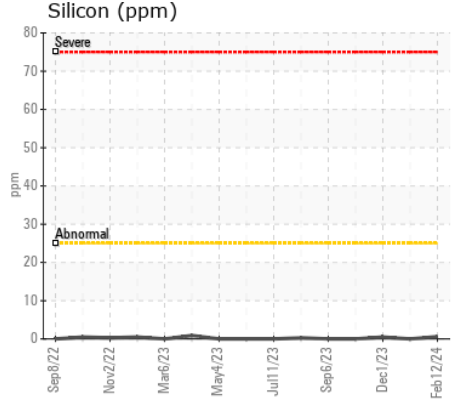
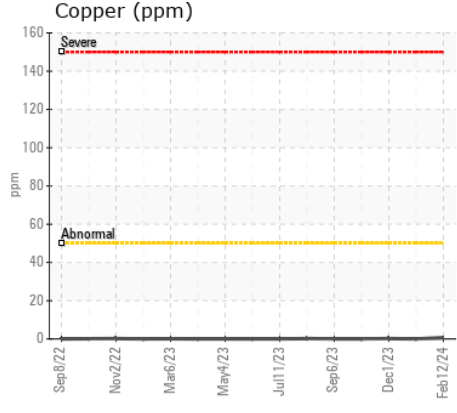
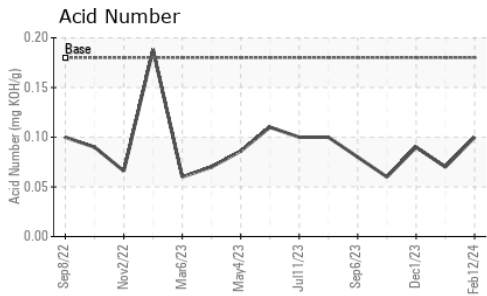
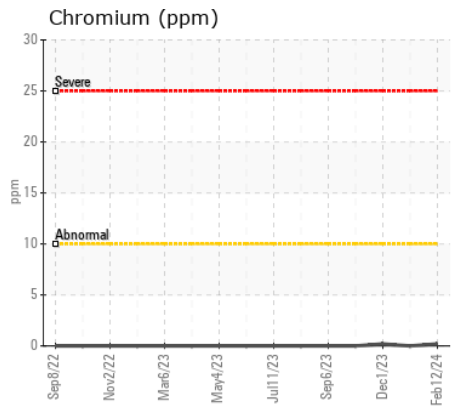
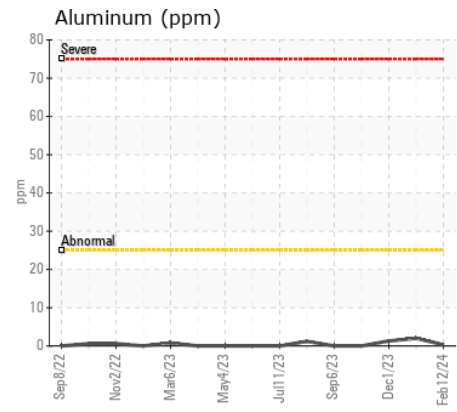
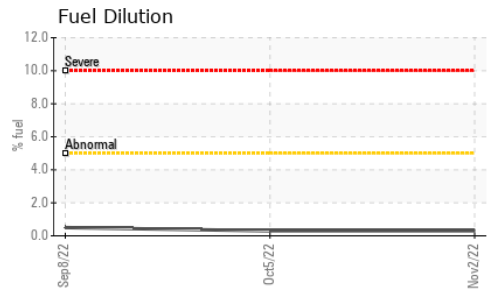
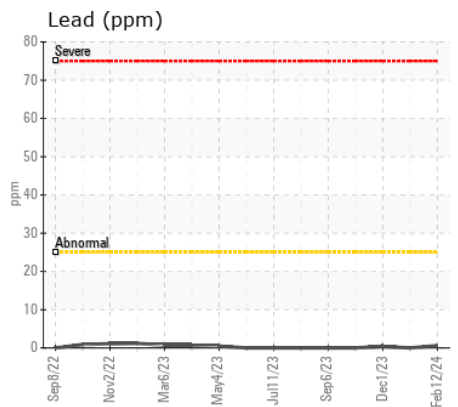
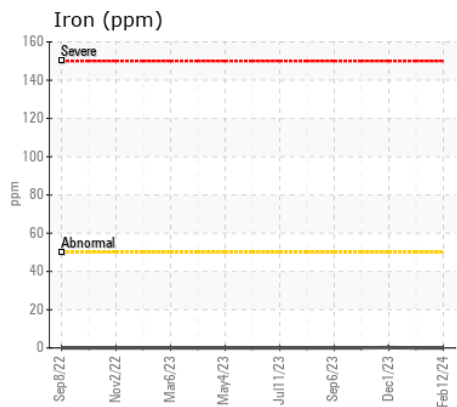
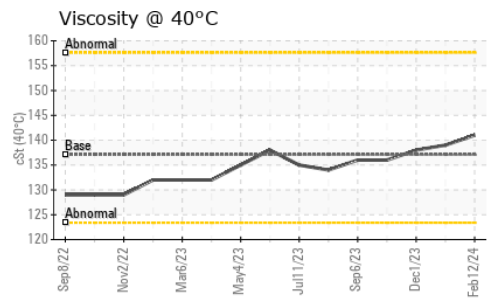
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		5	0	11
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	<1	0
Calcium	ppm	ASTM D5185m	0	2	7	2
Phosphorus	ppm	ASTM D5185m	4	0	35	28
Zinc	ppm	ASTM D5185m	0	3	0	0
Sulfur	ppm	ASTM D5185m		586	662	760
Acid Number (AN)	mg KOH/g	ASTM D8045	0.18	0.10	0.07	0.09
Visc @ 40°C	cSt	ASTM D445	137.1	141	139	138



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111941 **Received** : 22 Feb 2024
Lab Number : 06097809 **Tested** : 25 Feb 2024
Unique Number : 10896039 **Diagnosed** : 25 Feb 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: FuelDilution, TBN)

ENERVEST OPERATING - COPPERHEAD GAP
 3681 RABBIT RIDGE
 CLEVELAND, VA
 US 24225
 Contact: Service Manager

Certificate L2367
 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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