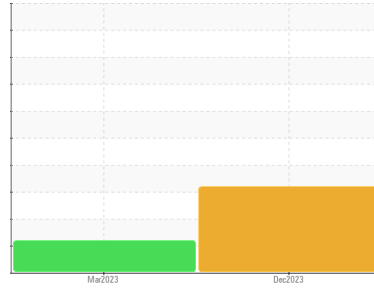


Machine Id
Blue Bird 4556
 Component
Transmission (Auto)
 Fluid
PETRO CANADA TEF 295 (--- GAL)



DIAGNOSIS

Recommendation
 Oil and filter change at the time of sampling has been noted. 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 fluid.

Fluid Condition
 The fluid viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0091570	PCA0091641	---
Sample Date	Client Info		08 Dec 2023	20 Mar 2023	---
Machine Age	mls	Client Info	45020	39073	---
Oil Age	mls	Client Info	5947	39073	---
Oil Changed	Client Info		Changed	Oil Added	---
Sample Status			ATTENTION	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >230	24	108	---
Chromium	ppm	ASTM D5185m >2	<1	<1	---
Nickel	ppm	ASTM D5185m >5	0	0	---
Titanium	ppm	ASTM D5185m >2	0	0	---
Silver	ppm	ASTM D5185m >5	0	<1	---
Aluminum	ppm	ASTM D5185m >65	2	15	---
Lead	ppm	ASTM D5185m >55	0	56	---
Copper	ppm	ASTM D5185m >85	1	62	---
Tin	ppm	ASTM D5185m >5	0	1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 100	▲ <1	96	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	▲ 60	0	---
Manganese	ppm	ASTM D5185m	0	6	---
Magnesium	ppm	ASTM D5185m	▲ 926	0	---
Calcium	ppm	ASTM D5185m 30	▲ 1008	39	---
Phosphorus	ppm	ASTM D5185m 220	▲ 852	339	---
Zinc	ppm	ASTM D5185m 4	▲ 1180	12	---
Sulfur	ppm	ASTM D5185m 1060	▲ 2725	406	---

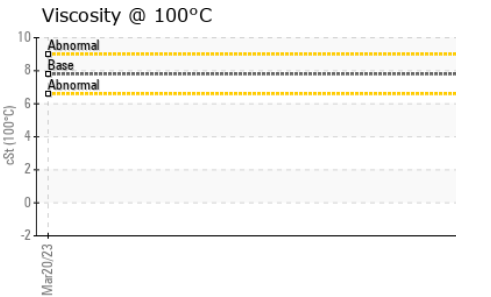
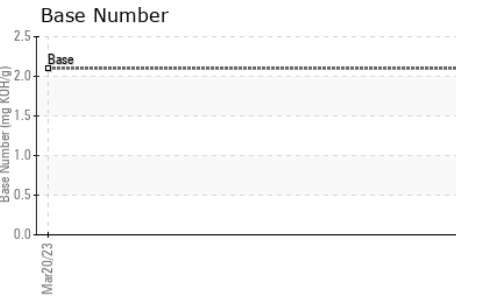
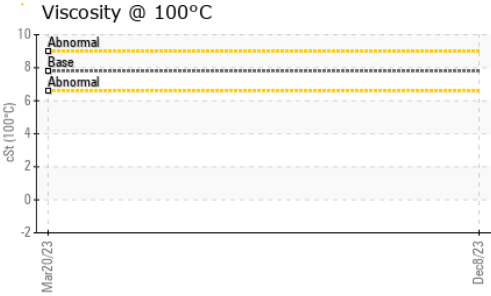
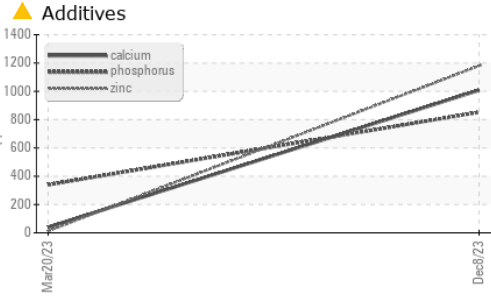
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	3	9	---
Sodium	ppm	ASTM D5185m	0	8	---
Potassium	ppm	ASTM D5185m >20	2	4	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	▲ MODER	---
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	---

OIL ANALYSIS REPORT



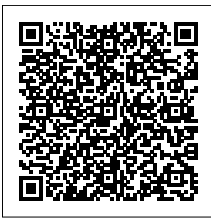
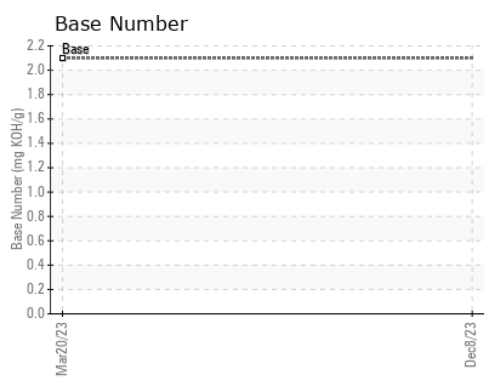
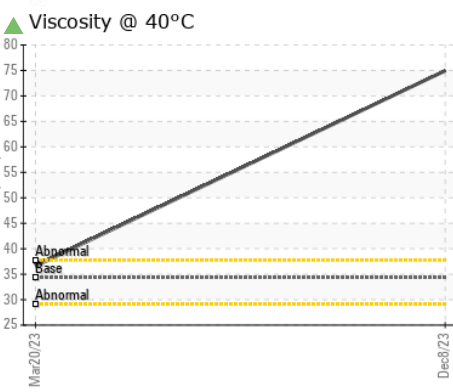
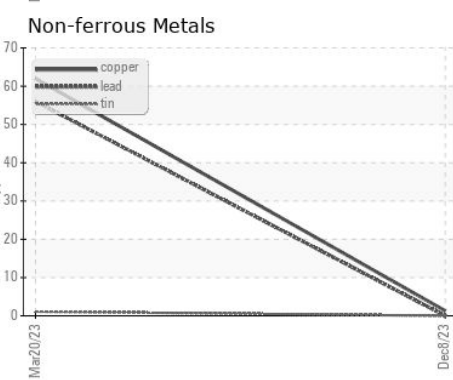
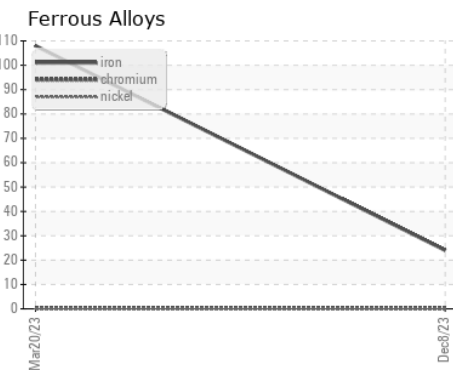
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	▲ 74.95	36.6	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0091570 **Received** : 20 Dec 2023
Lab Number : 06040253 **Diagnosed** : 27 Dec 2023
Unique Number : 10795482 **Diagnostician** : Jonathan Hester
Test Package : FLEET (Additional Tests: FT-IR, KV100, TBN, VI)

ICSB370 - Alton
 4525 North Alby Road
 Godfrey, IL
 US 62035
 Contact: Chad Ingold
 c.ingold@illinois-central.com
 T: (618)466-5400
 F:

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)