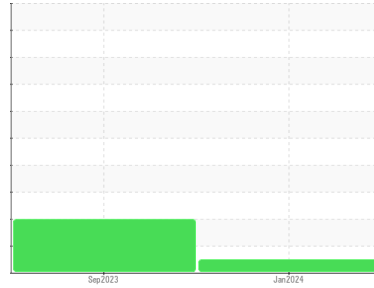


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
ROTOCHOP 5801103

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL (--- 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0115704	PCA0082934	---
Sample Date	Client Info		03 Jan 2024	29 Sep 2023	---
Machine Age	hrs	Client Info	7171	6800	---
Oil Age	hrs	Client Info	0	6800	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	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 >20	25	14	---
Chromium	ppm	ASTM D5185m >10	<1	0	---
Nickel	ppm	ASTM D5185m >10	<1	<1	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	<1	<1	---
Aluminum	ppm	ASTM D5185m >10	2	0	---
Lead	ppm	ASTM D5185m >10	2	0	---
Copper	ppm	ASTM D5185m >75	10	6	---
Tin	ppm	ASTM D5185m >10	1	0	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	---
Barium	ppm	ASTM D5185m 0	2	0	---
Molybdenum	ppm	ASTM D5185m 0	1	0	---
Manganese	ppm	ASTM D5185m 1	<1	<1	---
Magnesium	ppm	ASTM D5185m 0	<1	0	---
Calcium	ppm	ASTM D5185m 100	91	96	---
Phosphorus	ppm	ASTM D5185m 670	731	647	---
Zinc	ppm	ASTM D5185m 850	932	938	---
Sulfur	ppm	ASTM D5185m 1600	1960	1898	---

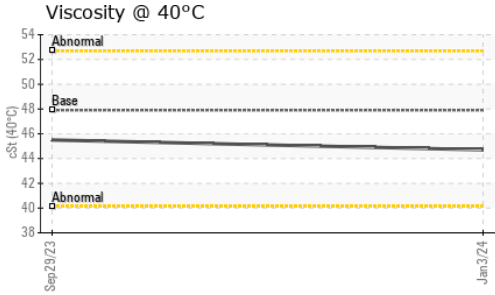
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<1	<1	---
Sodium	ppm	ASTM D5185m	0	<1	---
Potassium	ppm	ASTM D5185m >20	<1	<1	---

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 NONE	LIGHT	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

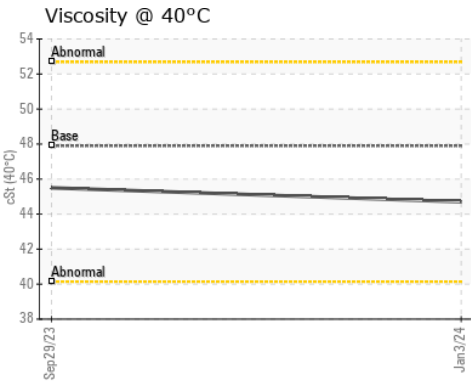
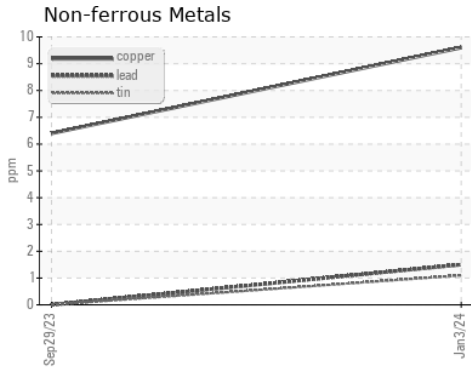
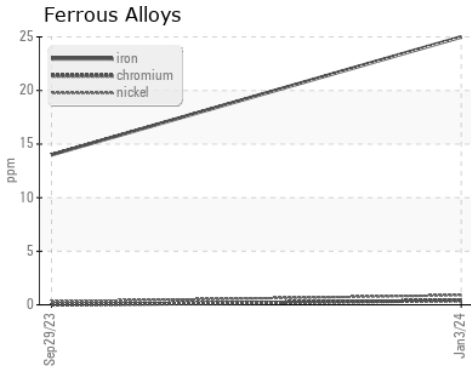


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.9	44.7	45.5	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0115704 **Recieved** : 16 Jan 2024
Lab Number : 06061589 **Diagnosed** : 23 Jan 2024
Unique Number : 10832971 **Diagnostician** : Doug Bogart
Test Package : FLEET

DAVEY TREE - SOUTH ST PAUL
 405 HARDMAN AVE S
 SOUTH ST PAUL, MN
 US 55075
 Contact: RICK HOGAN
 rick.hogan@davey.com
 T: (651)337-4089
 F:

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)