



PROBLEM SUMMARY

Sample Rating Trend

WEAR



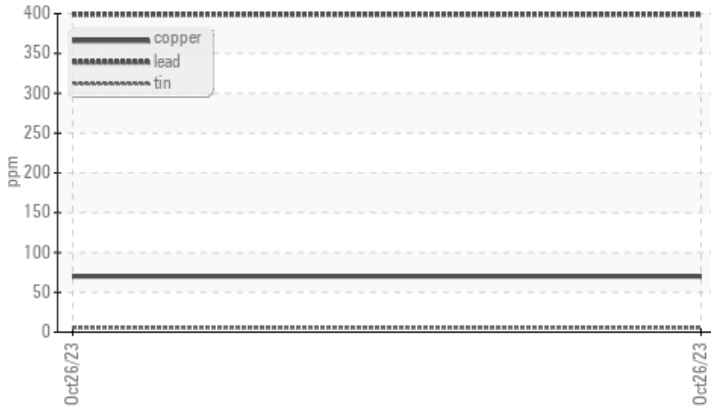
Machine Id
201502 - GENIE 60` MANLIFT (S/N S60TX15A-31093)

Component
Front Left Final Drive

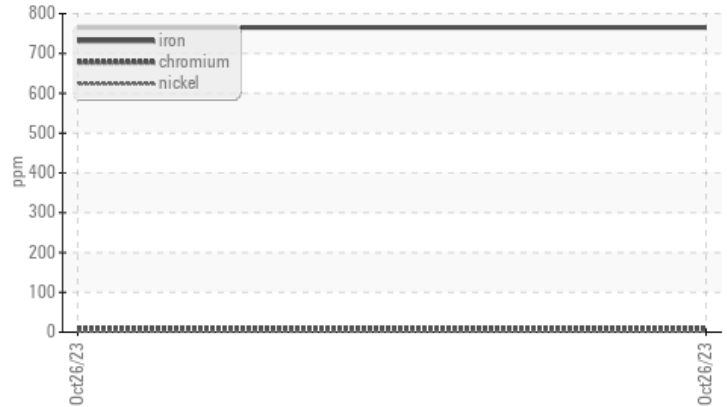
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals



Ferrous Alloys



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>500	▲ 765	---	---
Lead	ppm	ASTM D5185m	>25	● 399	---	---
Copper	ppm	ASTM D5185m	>50	▲ 70	---	---

Customer Id: CONLINNE
 Sample No.: SBP0004874
 Lab Number: 05993828
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
201502 - GENIE 60` MANLIFT (S/N S60TX15A-31093)

Component
Front Left Final Drive

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)



DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated. Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		SBP0004874	---	---
Sample Date	Client Info		26 Oct 2023	---	---
Machine Age	hrs	Client Info	3159	---	---
Oil Age	hrs	Client Info	1000	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	765	---
Chromium	ppm	ASTM D5185m	>10	10	---
Nickel	ppm	ASTM D5185m	>10	2	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	5	---
Lead	ppm	ASTM D5185m	>25	399	---
Copper	ppm	ASTM D5185m	>50	70	---
Tin	ppm	ASTM D5185m	>10	6	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	328	13	---
Barium	ppm	ASTM D5185m	1	32	---
Molybdenum	ppm	ASTM D5185m		<1	---
Manganese	ppm	ASTM D5185m		18	---
Magnesium	ppm	ASTM D5185m	1	3	---
Calcium	ppm	ASTM D5185m	7	58	---
Phosphorus	ppm	ASTM D5185m	1145	249	---
Zinc	ppm	ASTM D5185m	3	112	---
Sulfur	ppm	ASTM D5185m	17909	10550	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	39	---
Sodium	ppm	ASTM D5185m		9	---
Potassium	ppm	ASTM D5185m	>20	2	---

VISUAL

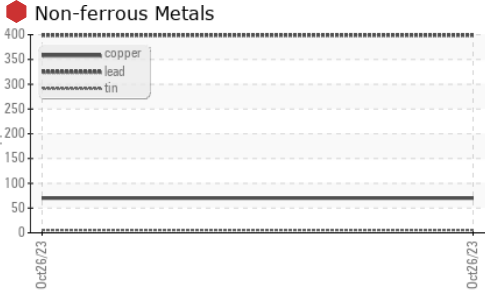
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual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

FLUID PROPERTIES

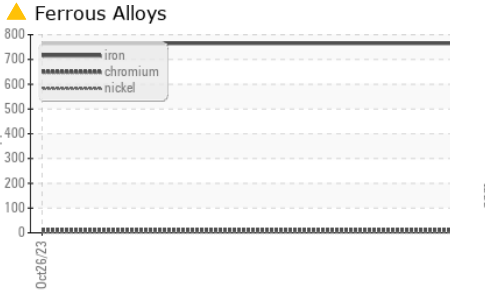
	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	140	---



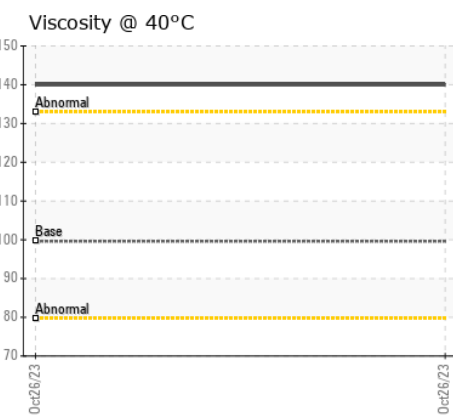
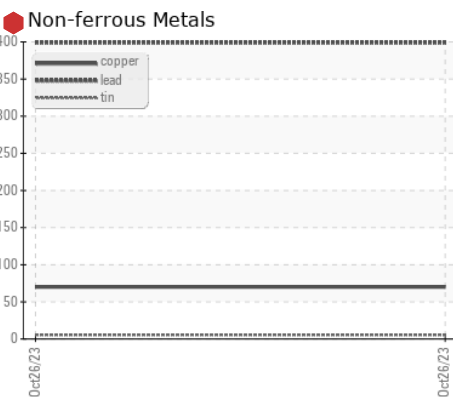
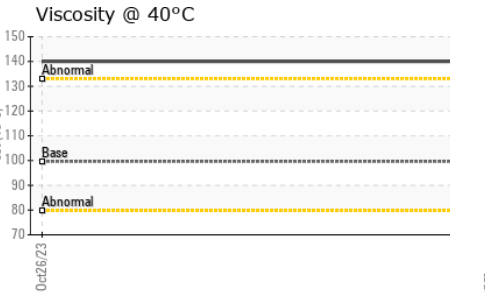
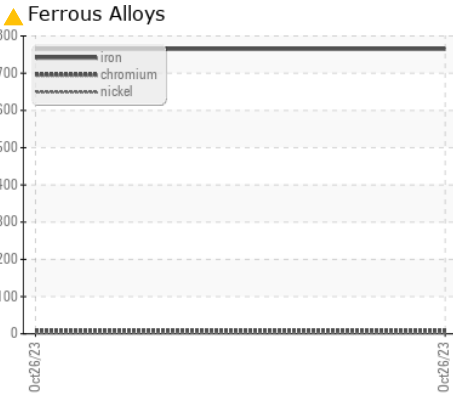
OIL ANALYSIS REPORT



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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004874 **Received** : 30 Oct 2023
Lab Number : 05993828 **Diagnosed** : 01 Nov 2023
Unique Number : 10722188 **Diagnostician** : Sean Felton
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508

Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
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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)