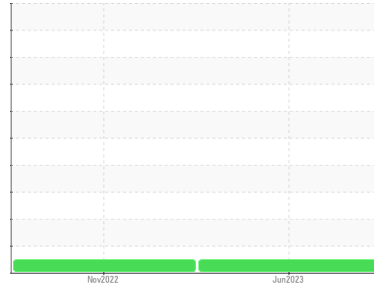




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
SANTASALO JACKPINE QUAD (S/N 73791)

Component
Gearbox

Fluid
PETRO CANADA ENDURATEX EP 100 (59 LTR)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0755873	WC0755872	---
Sample Date	Client Info		06 Jun 2023	10 Nov 2022	---
Machine Age	hrs	Client Info	19033	18404	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	178	134	---
Chromium	ppm	ASTM D5185(m) >15	6	4	---
Nickel	ppm	ASTM D5185(m) >15	<1	<1	---
Titanium	ppm	ASTM D5185(m)	1	1	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >25	<1	<1	---
Lead	ppm	ASTM D5185(m) >100	0	0	---
Copper	ppm	ASTM D5185(m) >200	<1	<1	---
Tin	ppm	ASTM D5185(m) >25	0	0	---
Antimony	ppm	ASTM D5185(m) >5	0	<1	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 50	17	18	---
Barium	ppm	ASTM D5185(m) 0	4	3	---
Molybdenum	ppm	ASTM D5185(m) 0	<1	<1	---
Manganese	ppm	ASTM D5185(m) 0	1	<1	---
Magnesium	ppm	ASTM D5185(m) 0	<1	<1	---
Calcium	ppm	ASTM D5185(m) 0	27	27	---
Phosphorus	ppm	ASTM D5185(m) 270	366	355	---
Zinc	ppm	ASTM D5185(m) 0	10	10	---
Sulfur	ppm	ASTM D5185(m) 4500	8503	8108	---
Lithium	ppm	ASTM D5185(m)	6	6	---

CONTAMINANTS

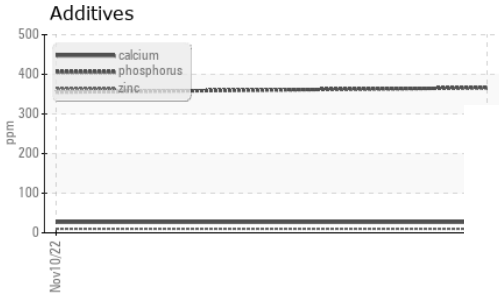
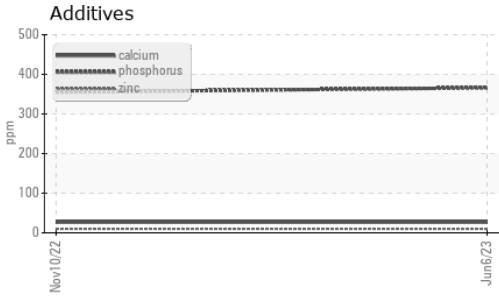
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	5	2	---
Sodium	ppm	ASTM D5185(m)	1	1	---
Potassium	ppm	ASTM D5185(m) >20	2	0	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual* NONE	NONE	NONE	---
Precipitate	scalar	Visual* NONE	NONE	NONE	---
Silt	scalar	Visual* NONE	NONE	NONE	---
Debris	scalar	Visual* NONE	NONE	VLITE	---
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	---



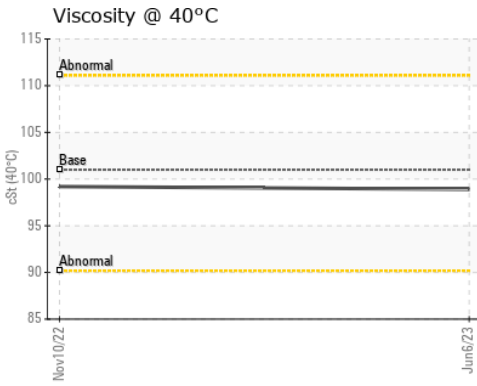
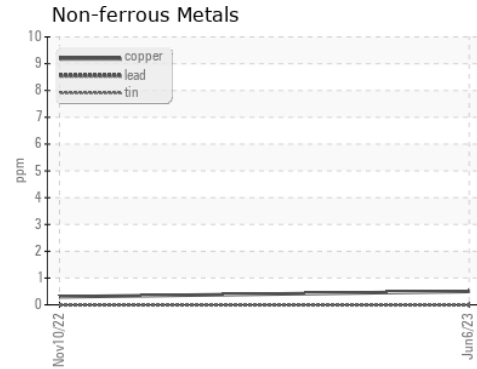
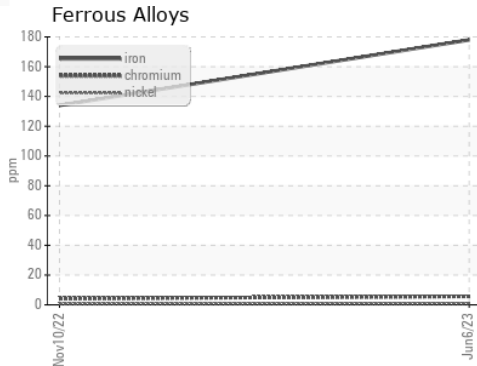
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	101	98.9	99.2	---

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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0755873 **Received** : 12 Jun 2023
Lab Number : **02563663** **Diagnosed** : 13 Jun 2023
Unique Number : 5592704 **Diagnostician** : Kevin Marson
Test Package : IND 1

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 P.O. BOX 822
 NORTH BAY, ON
 CA P1B 8K1
 Contact: Madison Jamieson
 Madison.Jamieson@northbay.ca
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 F: (705)494-7463

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.