

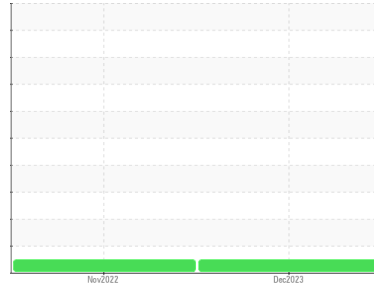
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Scoop 6 Yard
Machine Id
LHD6103
Component
Rear Differential
Fluid
PETRO CANADA TRAXON 80W90 (29 LTR)



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		PC0074999	PC0051054	---
Sample Date	Client Info		02 Dec 2023	16 Nov 2022	---
Machine Age	hrs	Client Info	7269	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	62	42	---
Chromium	ppm	ASTM D5185(m) >10	<1	0	---
Nickel	ppm	ASTM D5185(m) >10	<1	<1	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >25	2	<1	---
Lead	ppm	ASTM D5185(m) >25	0	0	---
Copper	ppm	ASTM D5185(m) >100	5	4	---
Tin	ppm	ASTM D5185(m) >10	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	---

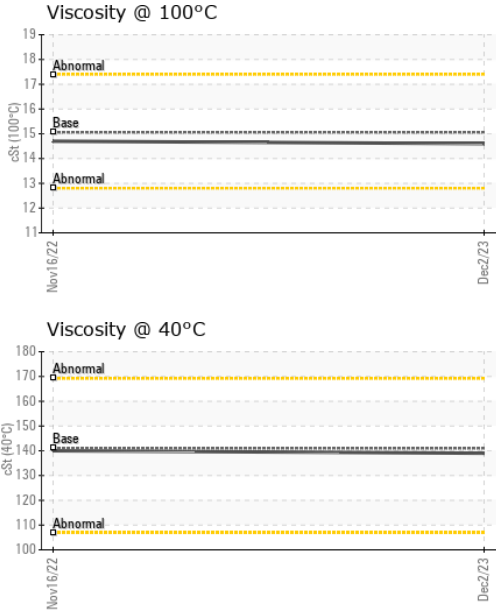
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	227	46	---
Barium	ppm	ASTM D5185(m) 1	1	2	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	---
Manganese	ppm	ASTM D5185(m)	<1	<1	---
Magnesium	ppm	ASTM D5185(m) 2	2	2	---
Calcium	ppm	ASTM D5185(m) 6	11	12	---
Phosphorus	ppm	ASTM D5185(m) 987	973	710	---
Zinc	ppm	ASTM D5185(m) 1	8	10	---
Sulfur	ppm	ASTM D5185(m) 21530	17950	22474	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	9	3	---
Sodium	ppm	ASTM D5185(m)	1	<1	---
Potassium	ppm	ASTM D5185(m) >20	1	<1	---

OIL ANALYSIS REPORT

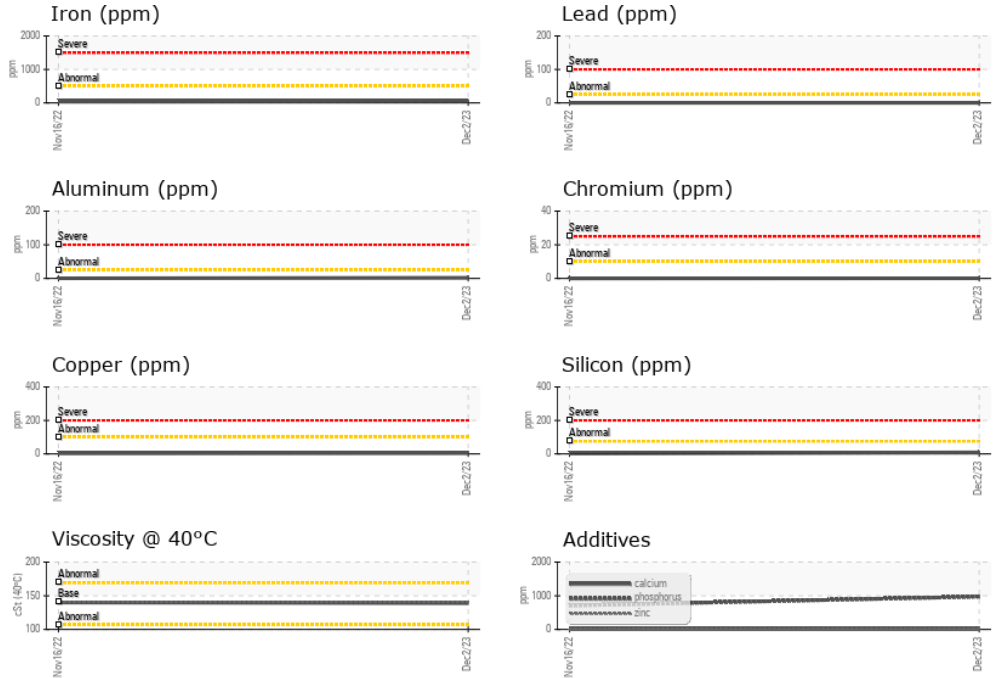


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	139	140
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	14.6	14.7
Viscosity Index (VI)	Scale	ASTM D2270*	108	104	104

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. : PC0074999 **Recieved** : 20 Dec 2023
Lab Number : 02604483 **Diagnosed** : 20 Dec 2023
Unique Number : 5697568 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West
 Timmins, ON
 CA
 Contact: Adam Koscielak
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 T:
 F:

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.