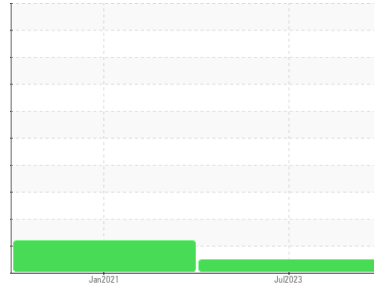


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
OR917

Component
Hydraulic System

Fluid
PETRO CANADA HYDREX AW 46 (--- 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	PC0078058	PC0036275	---
Sample Date	Client Info	11 Jul 2023	06 Jan 2021	---
Machine Age	hrs	7510	6925	---
Oil Age	hrs	0	0	---
Oil Changed	Client Info	Not Changed	Not Changed	---
Sample Status		NORMAL	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >20	10	10	---
Chromium	ppm	ASTM D5185(m) >10	<1	<1	---
Nickel	ppm	ASTM D5185(m) >10	<1	<1	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	<1	<1	---
Aluminum	ppm	ASTM D5185(m) >10	1	2	---
Lead	ppm	ASTM D5185(m) >10	2	3	---
Copper	ppm	ASTM D5185(m) >75	32	38	---
Tin	ppm	ASTM D5185(m) >10	0	<1	---
Antimony	ppm	ASTM D5185(m)	0	0	---
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) 0	<1	<1	---
Barium	ppm	ASTM D5185(m) 0	0	<1	---
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	---
Manganese	ppm	ASTM D5185(m) 0	<1	<1	---
Magnesium	ppm	ASTM D5185(m) 0	3	3	---
Calcium	ppm	ASTM D5185(m) 50	82	93	---
Phosphorus	ppm	ASTM D5185(m) 330	433	433	---
Zinc	ppm	ASTM D5185(m) 430	494	549	---
Sulfur	ppm	ASTM D5185(m) 760	996	1071	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

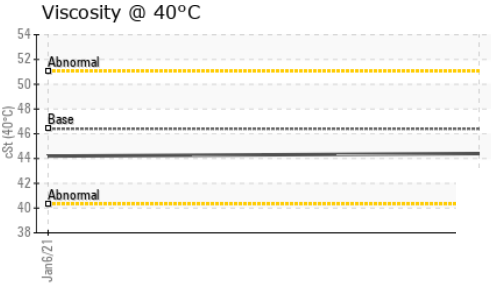
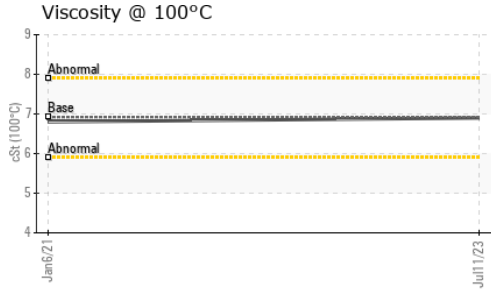
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >20	4	4	---
Sodium	ppm	ASTM D5185(m)	<1	1	---
Potassium	ppm	ASTM D5185(m) >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	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	---

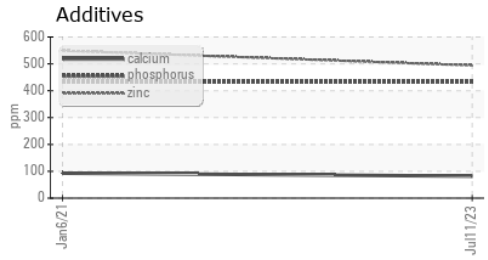
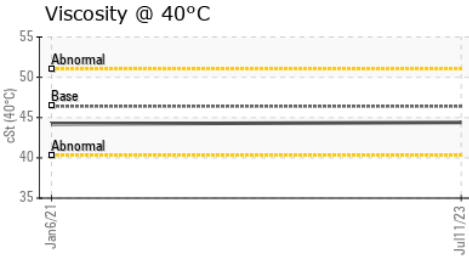
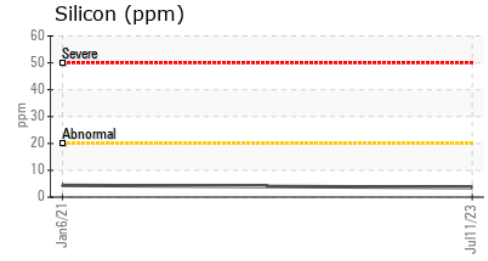
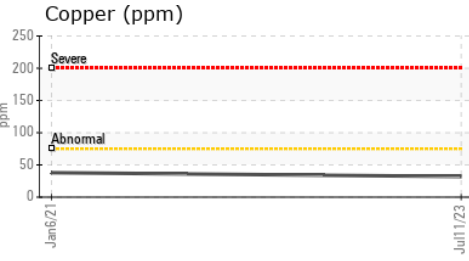
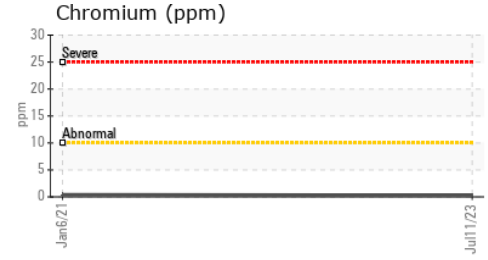
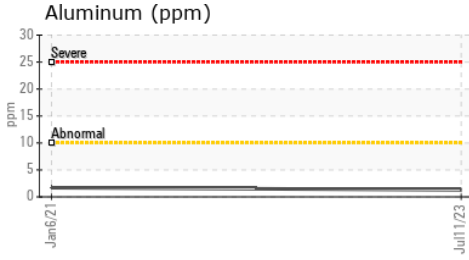
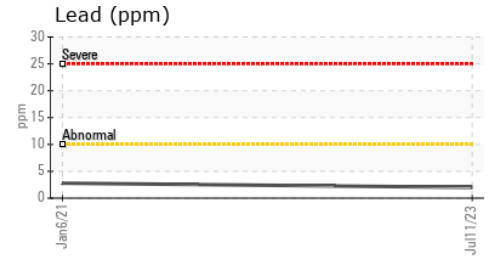
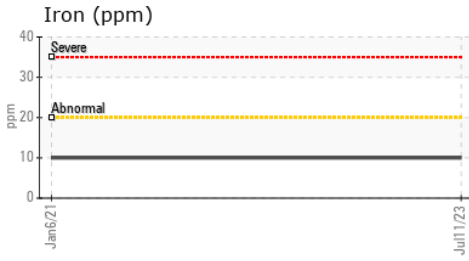
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46.4	44.4	44.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	6.92	6.9	6.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	104	111	108	---

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 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0078058 **Received** : 25 Jul 2023
Lab Number : 02571963 **Diagnosed** : 25 Jul 2023
Unique Number : 5617014 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

151 Ram Forest Rd,
 Stouffville, ON
 CA L4A 2G8
 Contact: Bill Acton
 bacton@gipi.com

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.

T:
 F: