

OIL ANALYSIS REPORT

Sample Rating Trend

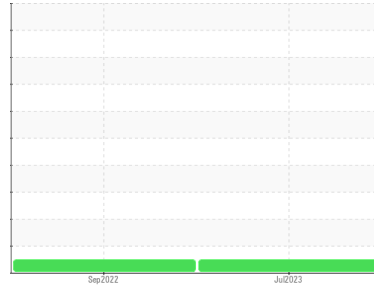
NORMAL



Area
[Bottom]
Machine Id
PD874

Component
Hydraulic System
Fluid

PETRO CANADA HYDREX MV 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	PC0078554	PC0065343	---
Sample Date	Client Info	17 Jul 2023	30 Sep 2022	---
Machine Age	hrs	Client Info	0	5708
Oil Age	hrs	Client Info	0	250
Oil Changed	Client Info	Changed	Not Changd	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	5	4
Chromium	ppm	ASTM D5185(m) >10	2	<1
Nickel	ppm	ASTM D5185(m) >10	<1	0
Titanium	ppm	ASTM D5185(m)	0	0
Silver	ppm	ASTM D5185(m)	0	<1
Aluminum	ppm	ASTM D5185(m) >10	<1	<1
Lead	ppm	ASTM D5185(m) >10	<1	0
Copper	ppm	ASTM D5185(m) >75	3	3
Tin	ppm	ASTM D5185(m) >10	0	0
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	2
Barium	ppm	ASTM D5185(m) 0	0	0
Molybdenum	ppm	ASTM D5185(m) 0	0	0
Manganese	ppm	ASTM D5185(m) 1	0	0
Magnesium	ppm	ASTM D5185(m) 0	5	7
Calcium	ppm	ASTM D5185(m) 50	64	78
Phosphorus	ppm	ASTM D5185(m) 330	451	423
Zinc	ppm	ASTM D5185(m) 430	149	174
Sulfur	ppm	ASTM D5185(m) 760	1634	1698
Lithium	ppm	ASTM D5185(m)	<1	<1

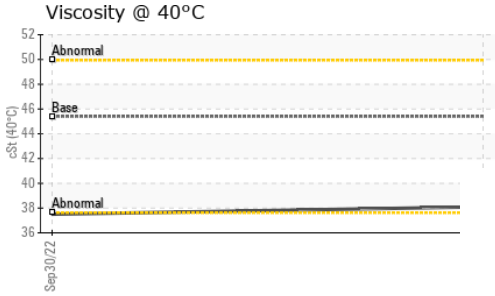
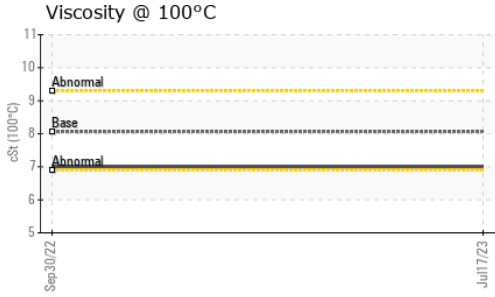
CONTAMINANTS

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

VISUAL

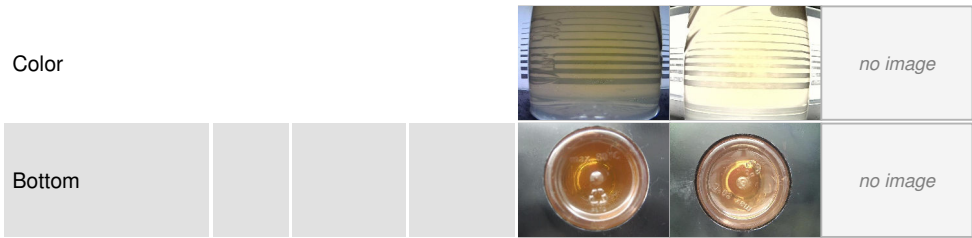
method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	NONE	NONE
Yellow Metal	scalar	Visual* NONE	NONE	NONE
Precipitate	scalar	Visual* NONE	NONE	NONE
Silt	scalar	Visual* NONE	NONE	NONE
Debris	scalar	Visual* NONE	NONE	NONE
Sand/Dirt	scalar	Visual* NONE	NONE	NONE
Appearance	scalar	Visual* NORML	NORML	NORML
Odor	scalar	Visual* NORML	NORML	NORML
Emulsified Water	scalar	Visual* >0.1	NEG	NEG
Free Water	scalar	Visual*	NEG	NEG

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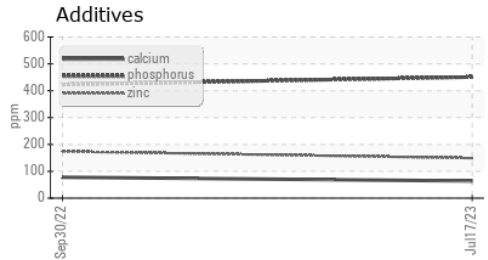
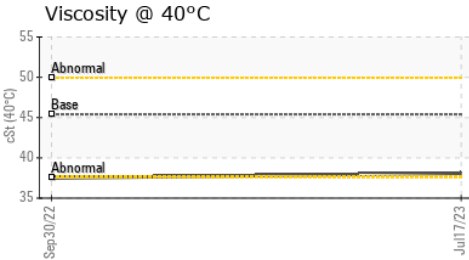
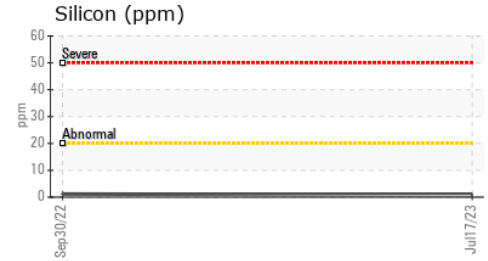
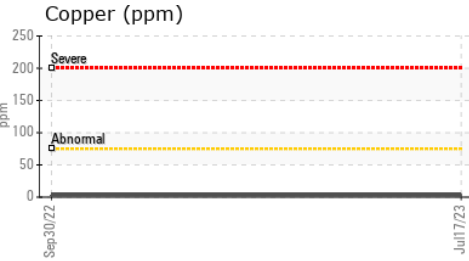
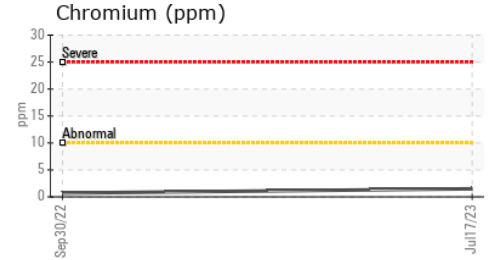
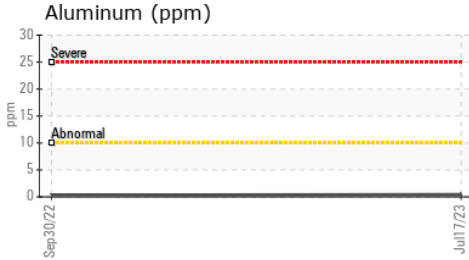
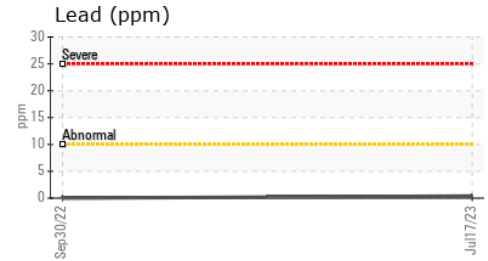
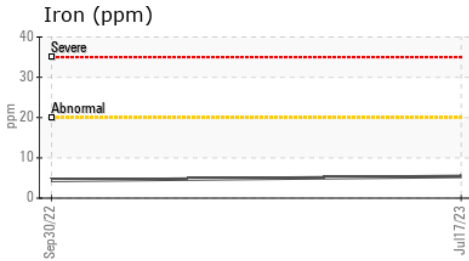


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	45.4	38.1	37.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	8.06	7	7	---
Viscosity Index (VI)	Scale	ASTM D2270*	151	146	150	---

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Green Infrastructure and Partners Inc (GPI) - 286 - Shoring & Foundations
Sample No. : PC0078554 **Received** : 25 Jul 2023
Lab Number : **02571961** **Diagnosed** : 25 Jul 2023
Unique Number : 5617012 **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.