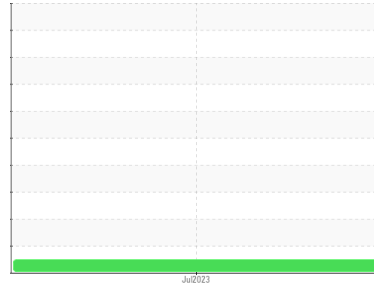


Area
SHARP BUS LINES
Machine Id
INTERNATIONAL 1380
Component
Diesel Engine
Fluid
PETRO CANADA 15W40 (--- GAL)



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	PC0081531	---	---
Sample Date	Client Info	19 Jul 2023	---	---
Machine Age	hrs Client Info	213989	---	---
Oil Age	hrs Client Info	5012	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

CONTAMINATION method limit/base current history1 history2

Fuel	WC Method	>2.0	<1.0	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>127	41	---	---
Chromium	ppm	ASTM D5185(m)	>3	2	---	---
Nickel	ppm	ASTM D5185(m)	>30	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>59	11	---	---
Lead	ppm	ASTM D5185(m)	>29	2	---	---
Copper	ppm	ASTM D5185(m)	>135	<1	---	---
Tin	ppm	ASTM D5185(m)	>2	<1	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)		1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		60	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		969	---	---
Calcium	ppm	ASTM D5185(m)		1018	---	---
Phosphorus	ppm	ASTM D5185(m)		1068	---	---
Zinc	ppm	ASTM D5185(m)		1171	---	---
Sulfur	ppm	ASTM D5185(m)		2545	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>18	8	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---

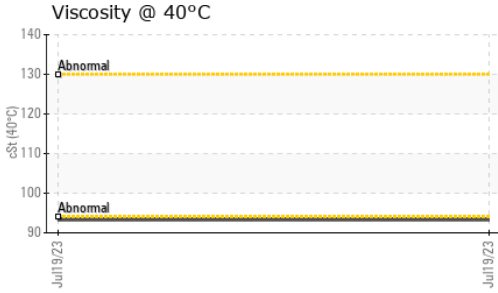
INFRA-RED method limit/base current history1 history2

Soot %	%	ASTM D7844*	>3	2.1	---	---
Nitration	Abs/cm	ASTM D7624*	>20	10.8	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.4	---	---

FLUID DEGRADATION method limit/base current history1 history2

Oxidation	Abs/.1mm	ASTM D7414*	>25	17.1	---	---
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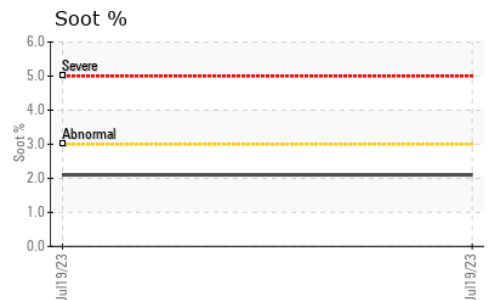
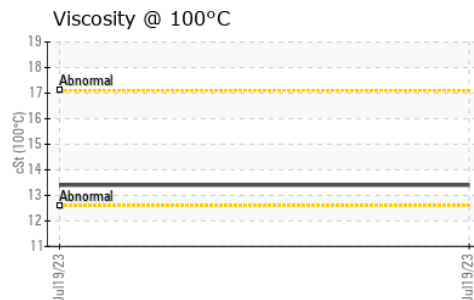
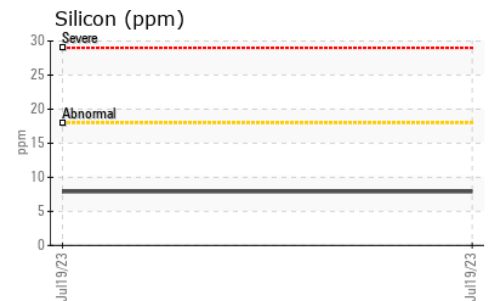
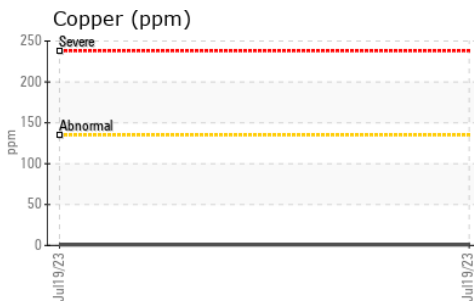
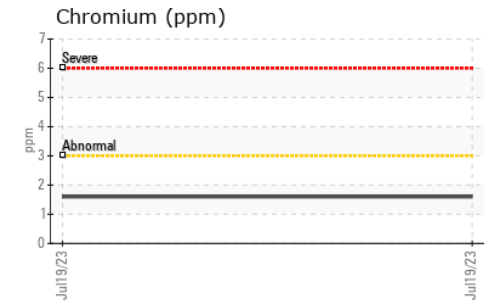
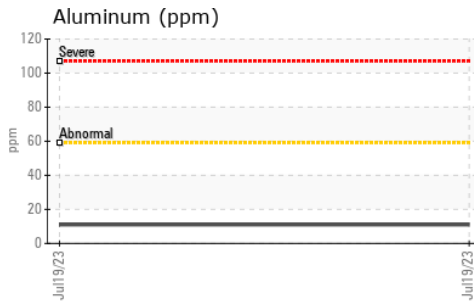
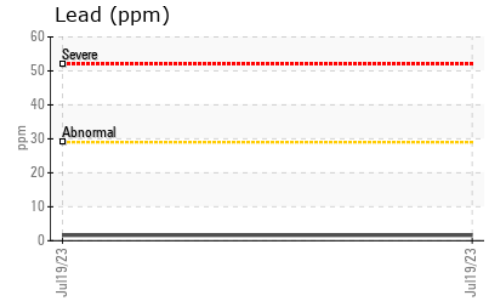
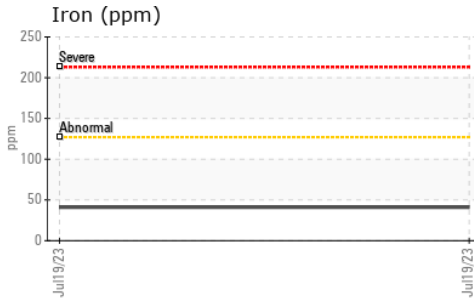
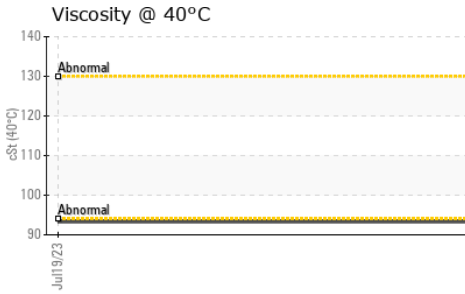
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
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 D7279(m)	93.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081531 **Received** : 01 Aug 2023
Lab Number : 02573327 **Diagnosed** : 01 Aug 2023
Unique Number : 5618378 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, VI)

ICSB - Brantford
 567 Oak Park Rd.
 Brantford, ON
 CA N3T 5L8
 Contact: Doug Hall
 Djhall@sharpbus.com
 T: (519)751-3434
 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.