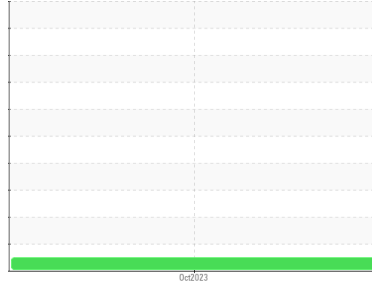


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Brantford
Machine Id
INTERNATIONAL 1090
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 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			PC0081469	---	---
Sample Date	Client Info			31 Oct 2023	---	---
Machine Age	kms	Client Info		200710	---	---
Oil Age	kms	Client Info		11393	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>2.0		<1.0	---	---
Water	WC Method	>0.2		NEG	---	---
Glycol	WC Method			NEG	---	---

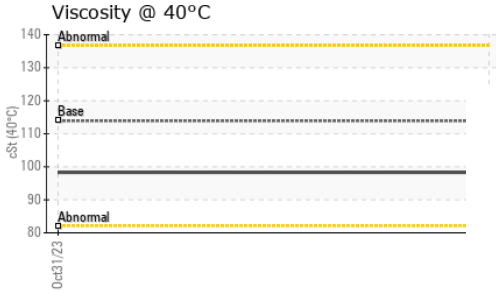
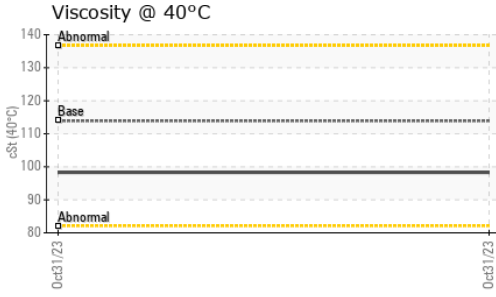
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>127	62	---	---
Chromium	ppm	ASTM D5185(m)	>3	2	---	---
Nickel	ppm	ASTM D5185(m)	>30	1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>59	9	---	---
Lead	ppm	ASTM D5185(m)	>29	5	---	---
Copper	ppm	ASTM D5185(m)	>135	2	---	---
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)	0	1	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	60	58	---	---
Manganese	ppm	ASTM D5185(m)	0	0	---	---
Magnesium	ppm	ASTM D5185(m)	1010	902	---	---
Calcium	ppm	ASTM D5185(m)	1070	971	---	---
Phosphorus	ppm	ASTM D5185(m)	1150	928	---	---
Zinc	ppm	ASTM D5185(m)	1270	1111	---	---
Sulfur	ppm	ASTM D5185(m)	2060	2269	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>18	5	---	---
Sodium	ppm	ASTM D5185(m)		3	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	1.9	---	---
Nitration	Abs/cm	ASTM D7624*	>20	13.8	---	---
Sulfation	Abs./1mm	ASTM D7415*	>30	25.5	---	---

OIL ANALYSIS REPORT

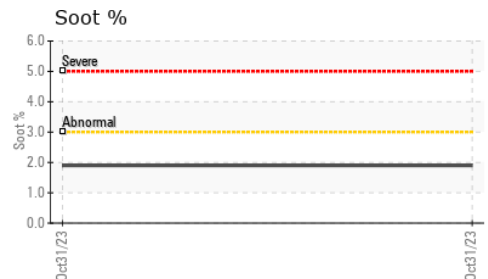
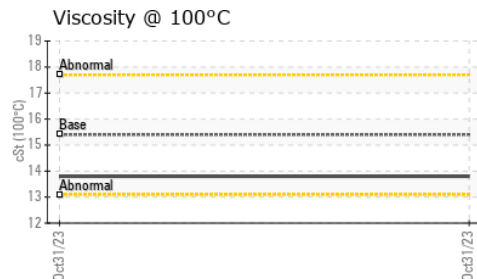
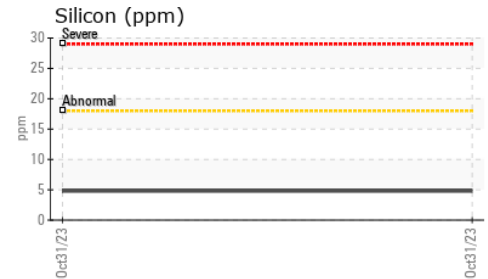
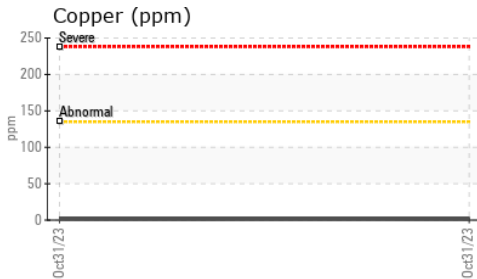
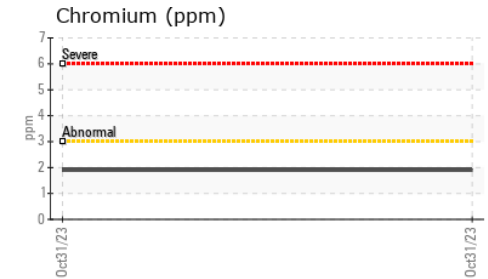
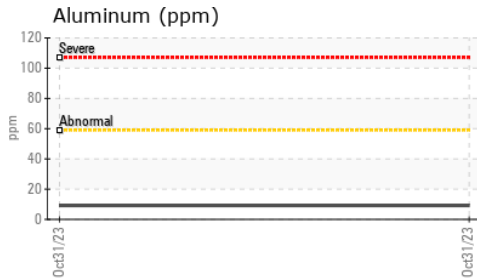
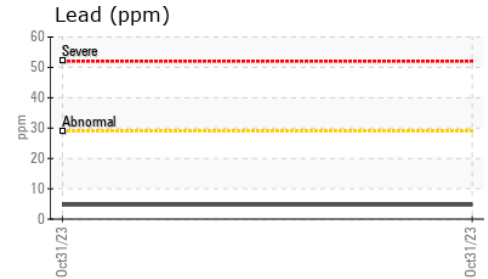
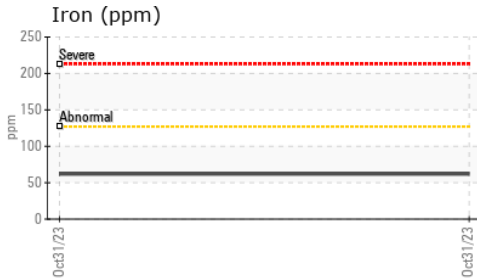


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	22.9	---	---

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)	113.9	98.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	142	141	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081469 **Received** : 24 Nov 2023
Lab Number : **02598641** **Diagnosed** : 24 Nov 2023
Unique Number : 5683721 **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.