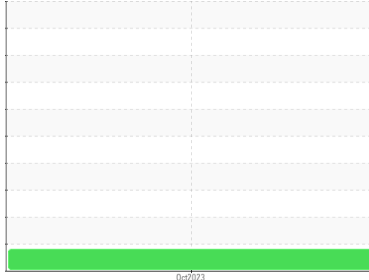


OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Machine Id
JOHN DEERE 624K 3075
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- 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

Viscosity of sample indicates oil is within SAE 15W40 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0075837	---	---
Sample Date	Client Info		10 Oct 2023	---	---
Machine Age	hrs	Client Info	8527	---	---
Oil Age	hrs	Client Info	500	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<1.0	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>51	12	---
Chromium	ppm	ASTM D5185(m)	>11	0	---
Nickel	ppm	ASTM D5185(m)	>5	0	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>3	<1	---
Aluminum	ppm	ASTM D5185(m)	>31	1	---
Lead	ppm	ASTM D5185(m)	>26	<1	---
Copper	ppm	ASTM D5185(m)	>26	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	---
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	14	---
Barium	ppm	ASTM D5185(m)	1	0	---
Molybdenum	ppm	ASTM D5185(m)	1	54	---
Manganese	ppm	ASTM D5185(m)	1	0	---
Magnesium	ppm	ASTM D5185(m)	10	859	---
Calcium	ppm	ASTM D5185(m)	2942	1233	---
Phosphorus	ppm	ASTM D5185(m)	1102	996	---
Zinc	ppm	ASTM D5185(m)	1351	1196	---
Sulfur	ppm	ASTM D5185(m)	3903	2576	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>22	2	---
Sodium	ppm	ASTM D5185(m)	>31	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---

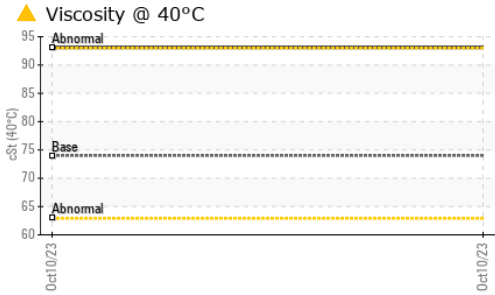
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	6.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.5	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.5	---

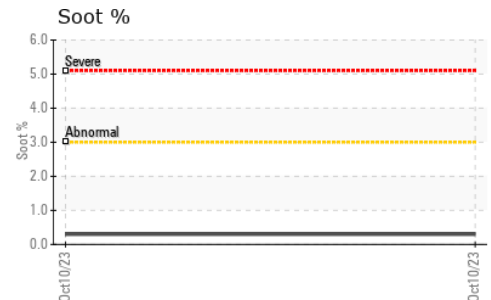
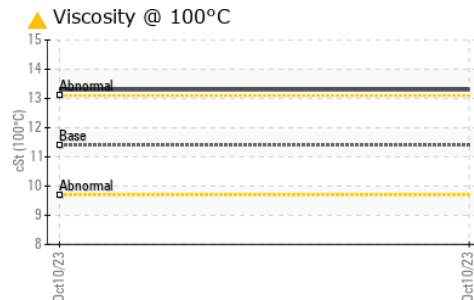
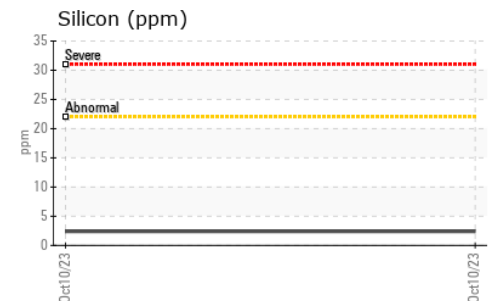
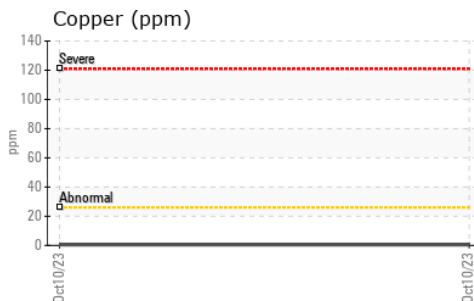
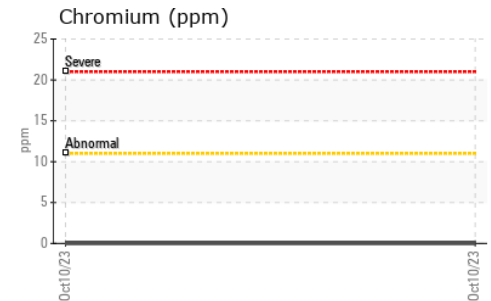
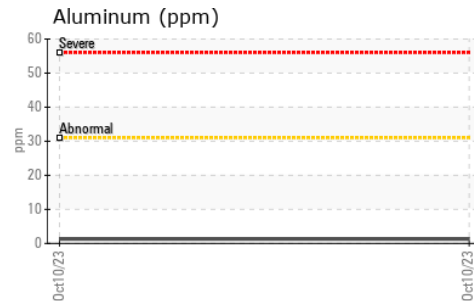
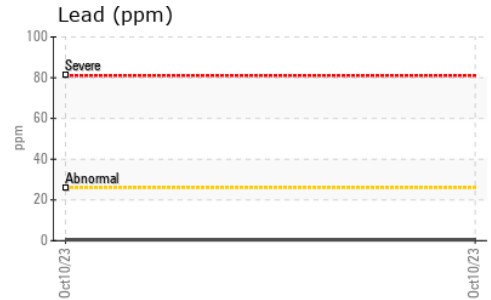
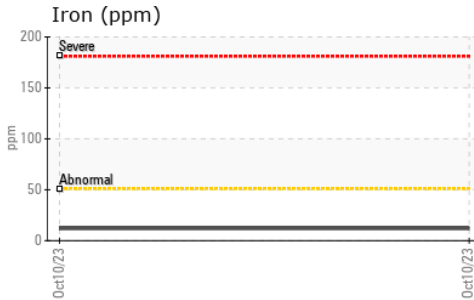
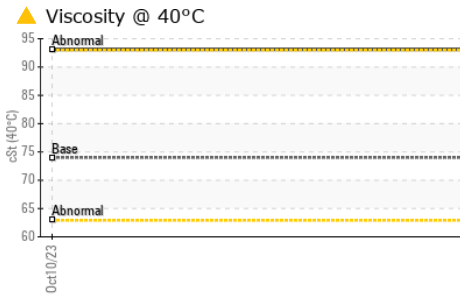
OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.21	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	▲ 93.1	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	▲ 13.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	146	142	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0075837 **Received** : 12 Oct 2023
Lab Number : **02588539** **Diagnosed** : 12 Oct 2023
Unique Number : 5657605 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV40, VI)

B FREGEAU & FILS INC
 402 RUE ST DENIS
 ST ALEXANDRE, QC
 CA J0J 1S0
 Contact: Steve M.
 stevem@bfregeau.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.