



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
HALIFAX WATER [256973]
Machine Id
JOHN DEERE PE6068L175097
Component
Diesel Engine
Fluid
PETRO CANADA 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021162	WA0017551	---
Sample Date		Client Info		13 Feb 2024	14 Mar 2022	---
Machine Age	hrs	Client Info		191	133	---
Oil Age	hrs	Client Info		20	0	---
Filter Age	hrs	Client Info		20	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>51	1	2	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	1	<1	---
Lead	ppm	ASTM D5185(m)	>26	0	0	---
Copper	ppm	ASTM D5185(m)	>26	<1	<1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

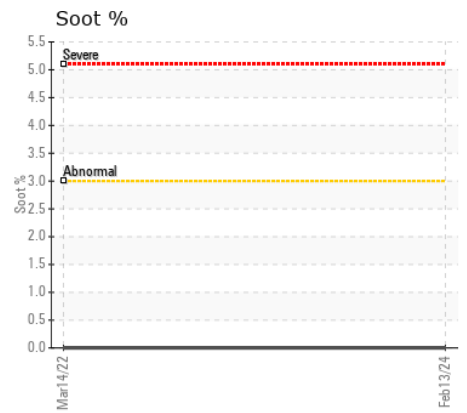
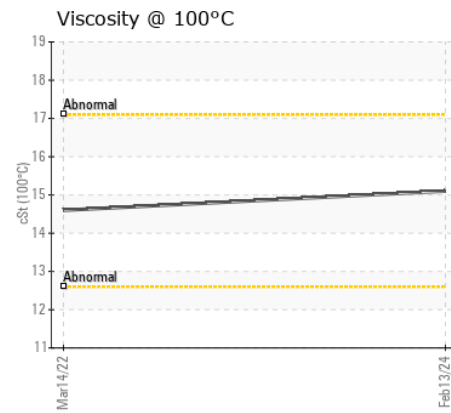
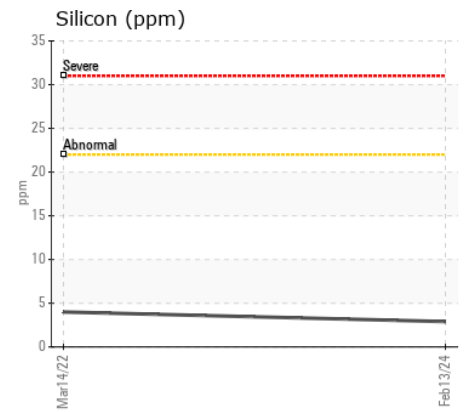
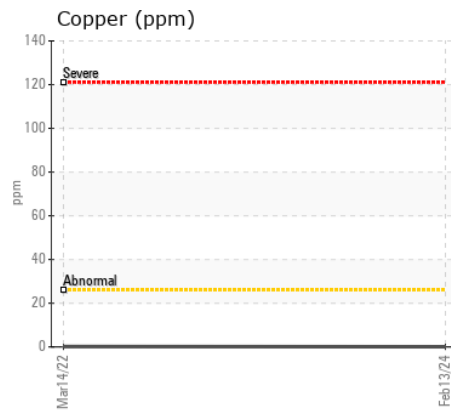
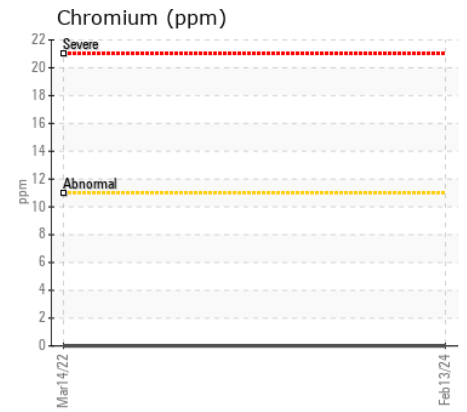
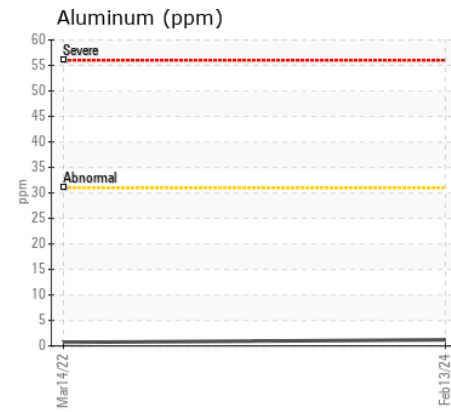
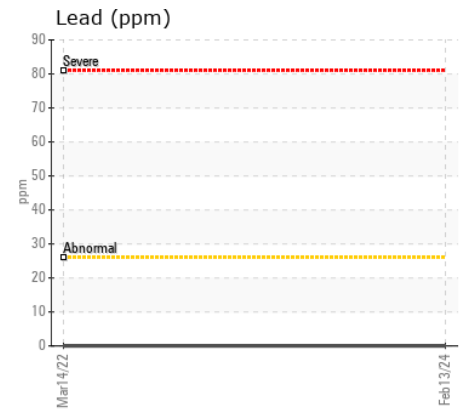
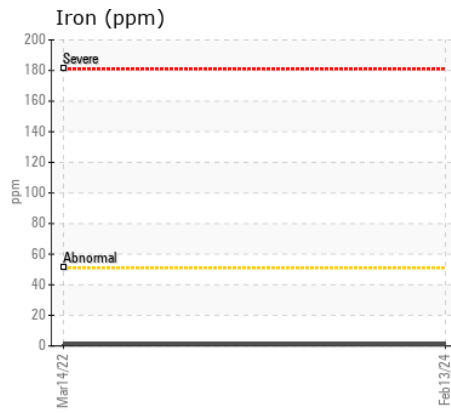
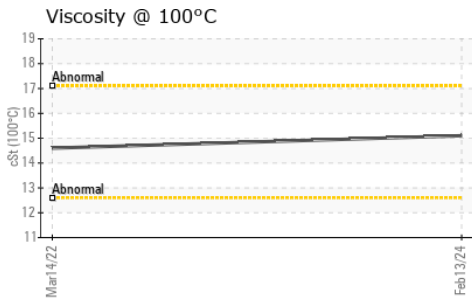
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	4	---
Potassium	ppm	ASTM D5185(m)	>20	<1	7	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	0.0	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.3	3.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.2	14.3	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	2	---
Boron	ppm	ASTM D5185(m)		3	170	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		55	1	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		915	14	---
Calcium	ppm	ASTM D5185(m)		1028	1995	---
Phosphorus	ppm	ASTM D5185(m)		999	974	---
Zinc	ppm	ASTM D5185(m)		1125	1081	---
Sulfur	ppm	ASTM D5185(m)		2696	2862	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.6	6.8	---
Visc @ 100°C	cSt	ASTM D7279(m)		15.1	14.6	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021162 **Received** : 21 Feb 2024
Lab Number : 02616958 **Tested** : 22 Feb 2024
Unique Number : 5734068 **Diagnosed** : 22 Feb 2024 - Wes Davis
Test Package : MOB 1

Wajax Power Systems
 70 Raddall Avenue
 Dartmouth, NS
 CA B3B 1T7
 Contact: Danelle Hoffman
 dhoffman@wajax.com
 T: (902)468-6200
 F: (902)468-3325

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.