



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**TROY LIFE PPG [6100286806]**  
Machine Id  
**JOHN DEERE PE6068T945878**  
Component  
**Diesel Engine**  
Fluid  
**CASTROL 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0021182</b>	WA0019382	WA0017558
Sample Date		Client Info		<b>12 Apr 2024</b>	19 May 2023	06 May 2022
Machine Age	hrs	Client Info		<b>271</b>	248	190
Oil Age	hrs	Client Info		<b>23</b>	58	27
Filter Age	hrs	Client Info		<b>23</b>	58	27
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

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

**CONTAMINATION**

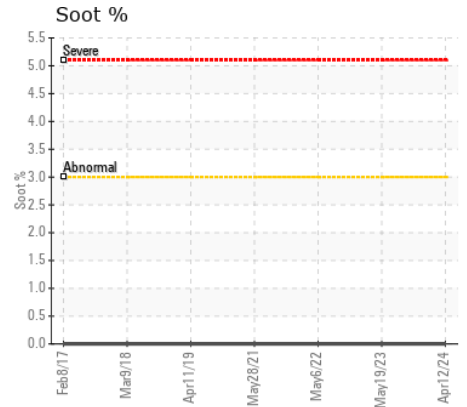
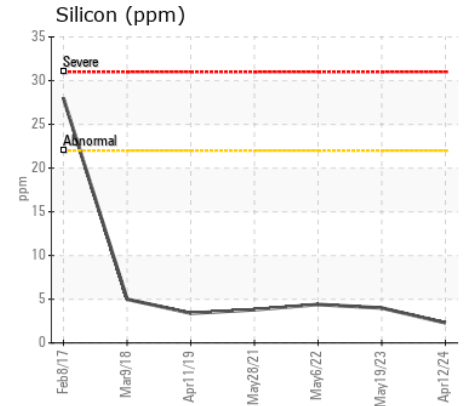
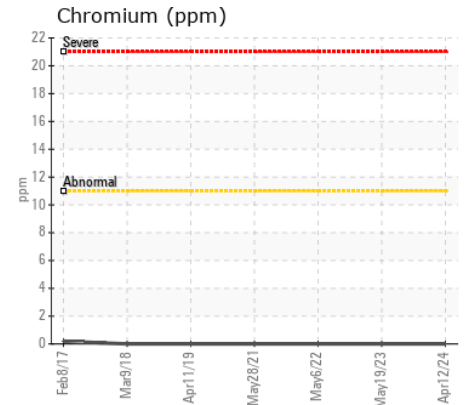
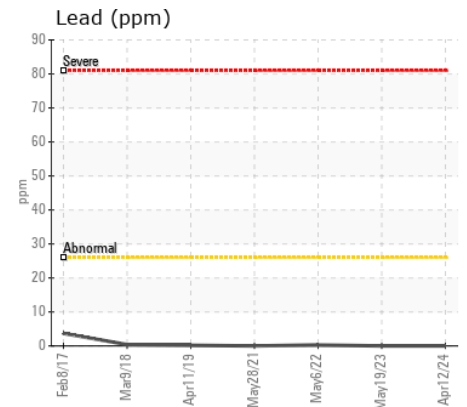
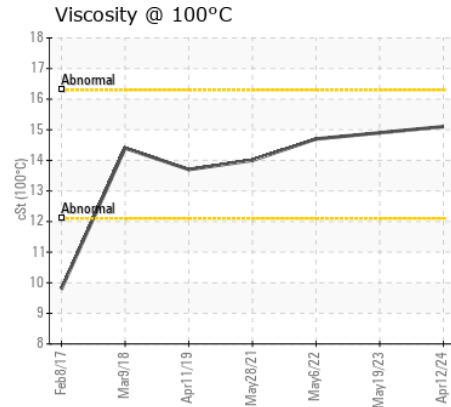
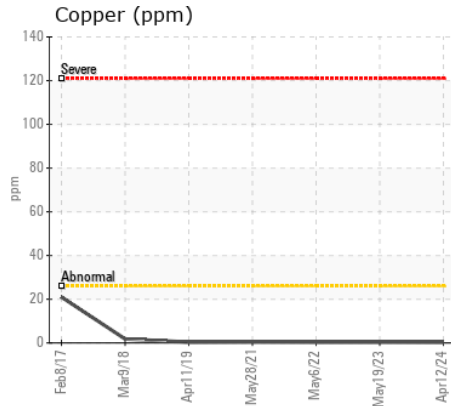
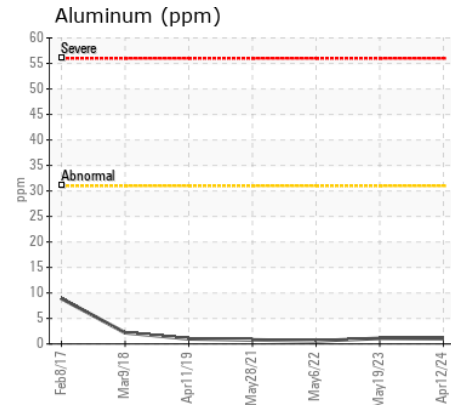
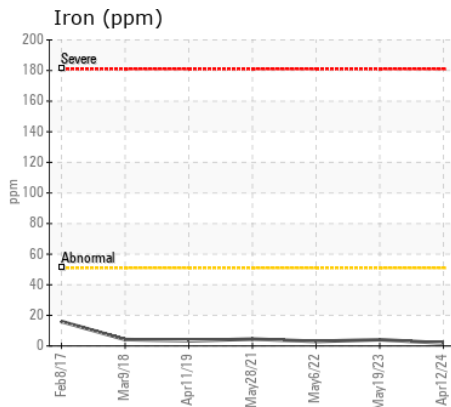
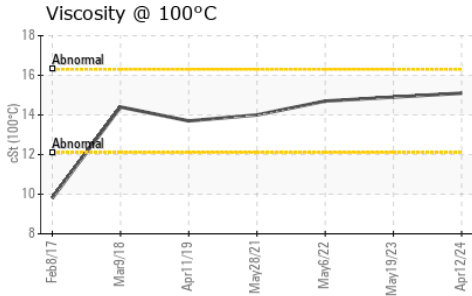
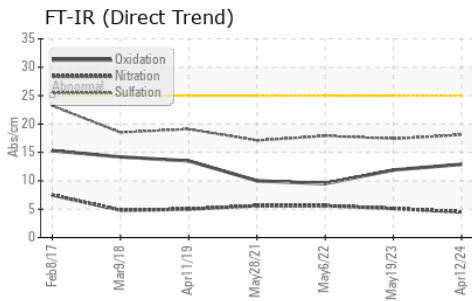
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>2</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.5</b>	5.1	5.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.1</b>	17.4	17.9
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>406	<b>&lt;1</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>5</b>	5	2
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>57</b>	41	4
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>953</b>	691	65
Calcium	ppm	ASTM D5185(m)		<b>1020</b>	1399	1983
Phosphorus	ppm	ASTM D5185(m)		<b>984</b>	1025	921
Zinc	ppm	ASTM D5185(m)		<b>1129</b>	1091	1036
Sulfur	ppm	ASTM D5185(m)		<b>2539</b>	2736	3051
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	11.9	9.5
Visc @ 100°C	cSt	ASTM D7279(m)		<b>15.1</b>	14.9	14.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021182  
**Lab Number** : 02629113  
**Unique Number** : 5762245  
**Test Package** : MOB 1  
**Received** : 16 Apr 2024  
**Tested** : 16 Apr 2024  
**Diagnosed** : 16 Apr 2024 - Wes Davis

**Wajax Power Systems**  
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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.