



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

Area

[05W47452]

Machine Id

JOHN DEERE PM061215

Component

Pump Drive

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218258</b>	JR0208328	JR0192474
Sample Date		Client Info		<b>21 Jun 2024</b>	18 Mar 2024	28 Nov 2023
Machine Age	hrs	Client Info		<b>2537</b>	2045	1509
Oil Age	hrs	Client Info		<b>492</b>	1477	568
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>18</b>	15	547
Iron	ppm	ASTM D5185m	>151	<b>56</b>	67	71
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>5</b>	5	5
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>1</b>	<1	0
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

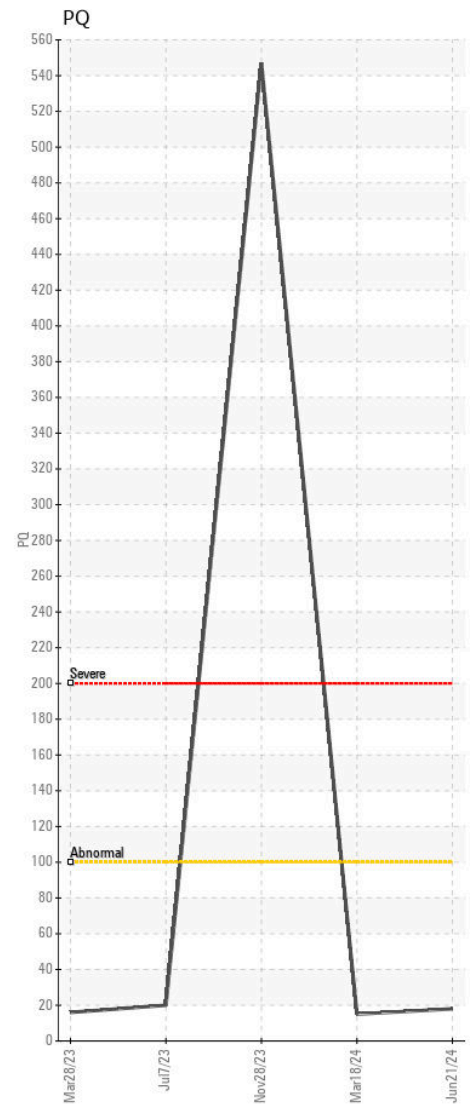
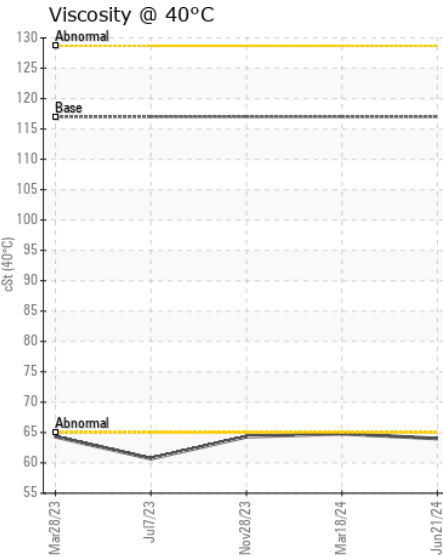
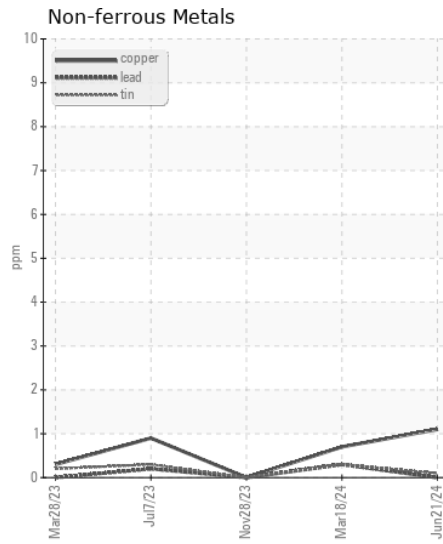
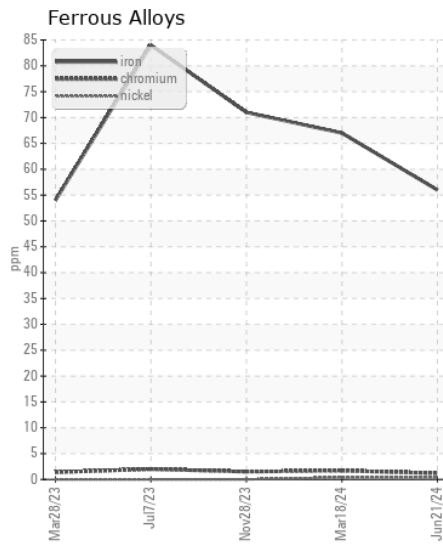
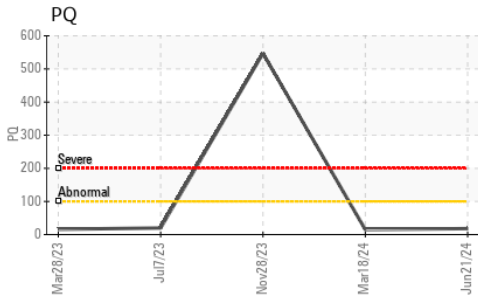
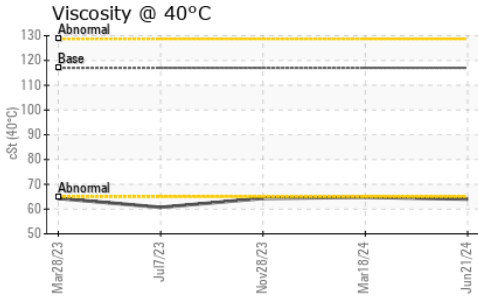
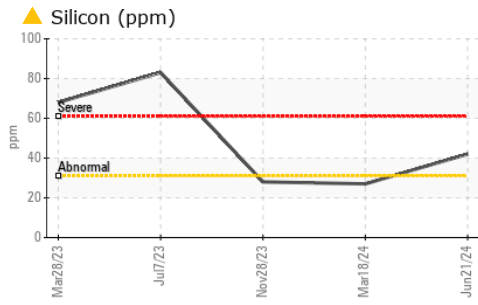
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 42</b>	27	28
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	2	<1
Boron	ppm	ASTM D5185m		<b>282</b>	258	386
Barium	ppm	ASTM D5185m		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>243</b>	247	348
Manganese	ppm	ASTM D5185m		<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>810</b>	740	1030
Calcium	ppm	ASTM D5185m		<b>1420</b>	1629	2055
Phosphorus	ppm	ASTM D5185m		<b>1093</b>	978	1323
Zinc	ppm	ASTM D5185m		<b>1125</b>	1115	1470
Sulfur	ppm	ASTM D5185m		<b>3286</b>	3815	4849
Visc @ 40°C	cSt	ASTM D445	117	<b>64.0</b>	64.8	64.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218258 **Received** : 25 Jun 2024  
**Lab Number** : 06220033 **Tested** : 26 Jun 2024  
**Unique Number** : 11098230 **Diagnosed** : 26 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**FITZGERALD EXCAVATING**  
 PO BOX 2168  
 WINCHESTER, VA  
 US 22604  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: