



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[45552]
 Machine Id
JOHN DEERE PM061215
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208329	JR0192475	JR0176158
Sample Date		Client Info		18 Mar 2024	28 Nov 2023	07 Jul 2023
Machine Age	hrs	Client Info		2045	1509	941
Oil Age	hrs	Client Info		1477	568	941
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	186	342	240
Iron	ppm	ASTM D5185m	>750	544	334	536
Chromium	ppm	ASTM D5185m	>9	8	5	8
Nickel	ppm	ASTM D5185m	>10	2	<1	1
Titanium	ppm	ASTM D5185m		2	<1	1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	8	1	6
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

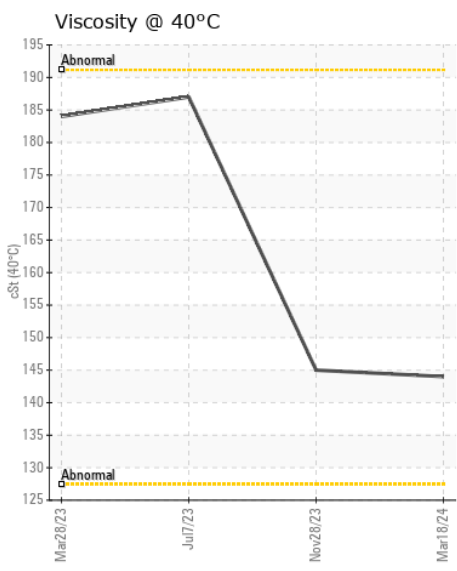
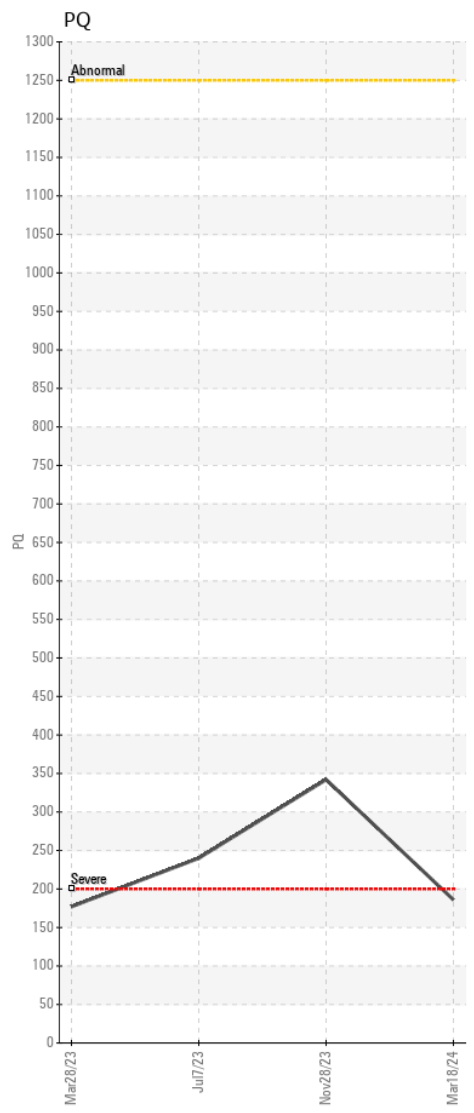
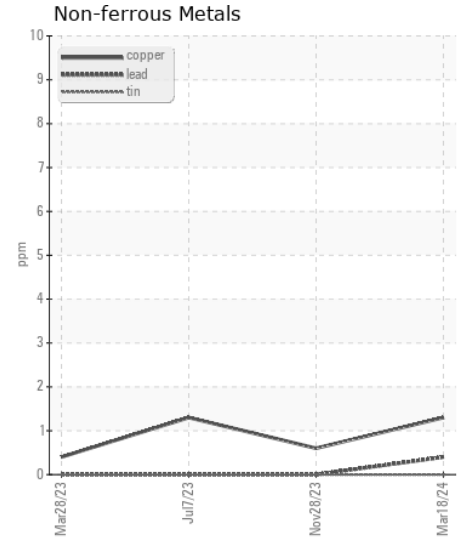
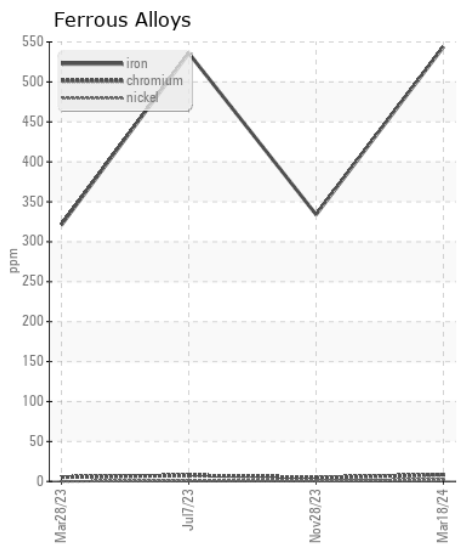
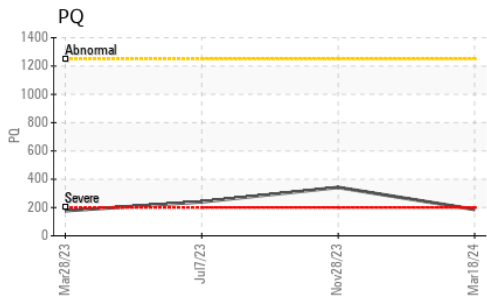
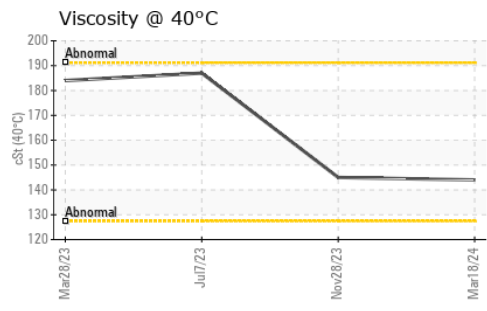
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	61	19	44
Potassium	ppm	ASTM D5185m	>20	2	1	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	0	0
Boron	ppm	ASTM D5185m		38	39	74
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		2	1	<1
Manganese	ppm	ASTM D5185m		8	5	9
Magnesium	ppm	ASTM D5185m		4	3	0
Calcium	ppm	ASTM D5185m		15	10	16
Phosphorus	ppm	ASTM D5185m		446	499	517
Zinc	ppm	ASTM D5185m		13	0	24
Sulfur	ppm	ASTM D5185m		19735	19608	16468
Visc @ 40°C	cSt	ASTM D445		144	145	187



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208329 **Received** : 20 Mar 2024
Lab Number : 06123977 **Tested** : 21 Mar 2024
Unique Number : 10938128 **Diagnosed** : 22 Mar 2024 - Don Baldrige
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)

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