



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE B-145 (S/N 1FF245GXLMF802192)
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203241	JR0195762	JR0123275
Sample Date		Client Info		21 Feb 2024	29 Dec 2023	25 Apr 2022
Machine Age	hrs	Client Info		3826	3597	271
Oil Age	hrs	Client Info		3826	3597	271
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Oil Added	Not Changd
Filter Changed		Client Info		None	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		23	17	31
Iron	ppm	ASTM D5185m	>151	128	75	42
Chromium	ppm	ASTM D5185m	>11	3	2	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>21	7	3	2
Lead	ppm	ASTM D5185m	>51	<1	<1	<1
Copper	ppm	ASTM D5185m	>51	4	2	3
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

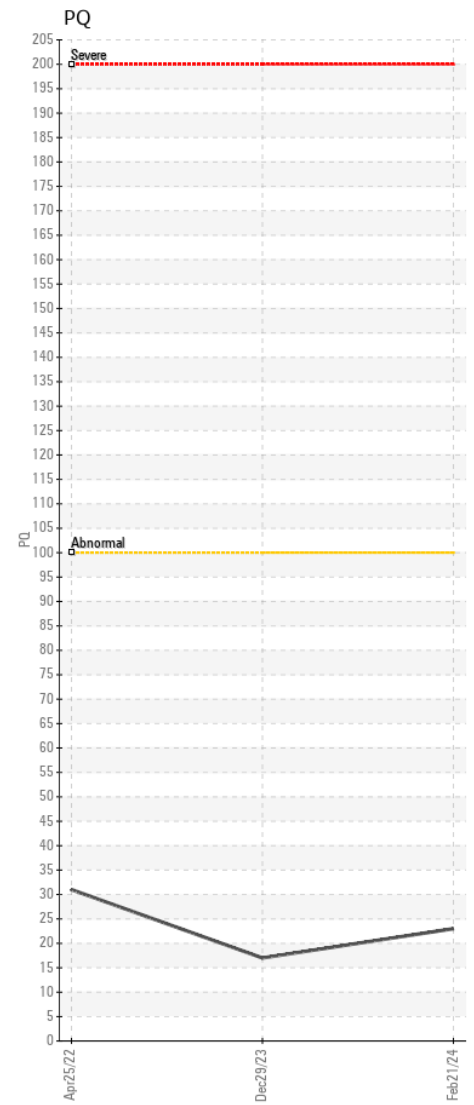
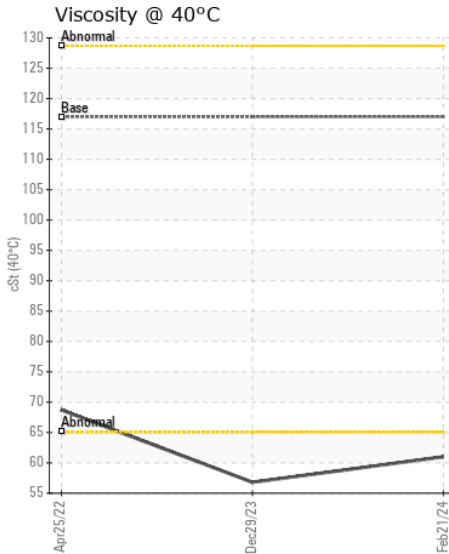
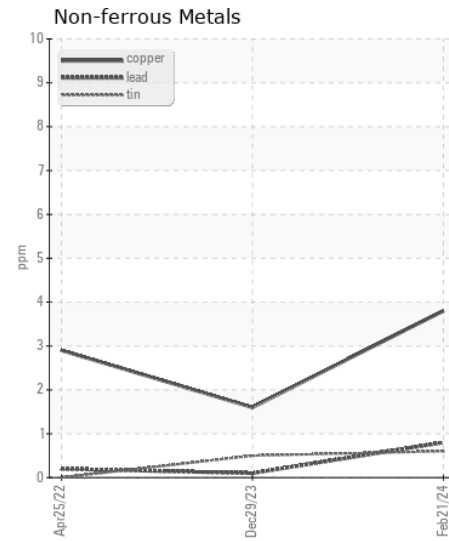
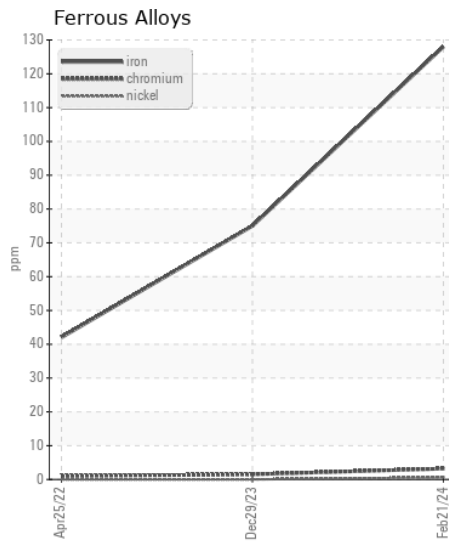
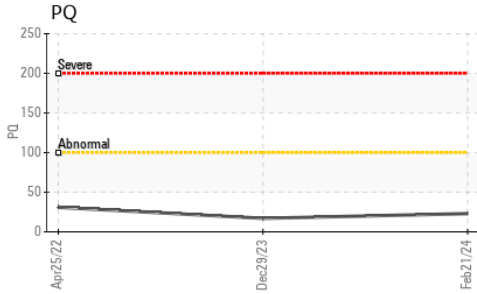
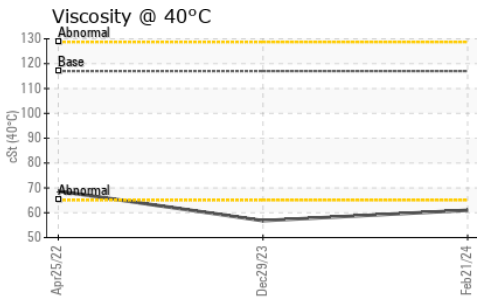
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	24	9	7
Potassium	ppm	ASTM D5185m	>20	4	<1	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	2	1
Boron	ppm	ASTM D5185m		171	73	66
Barium	ppm	ASTM D5185m		12	<1	0
Molybdenum	ppm	ASTM D5185m		182	99	109
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m		395	153	18
Calcium	ppm	ASTM D5185m		3052	2405	4279
Phosphorus	ppm	ASTM D5185m		1302	994	1282
Zinc	ppm	ASTM D5185m		1293	906	1463
Sulfur	ppm	ASTM D5185m		7601	5060	7981
Visc @ 40°C	cSt	ASTM D445	117	61.0	56.8	68.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203241 **Received** : 22 Feb 2024
Lab Number : 06097950 **Tested** : 23 Feb 2024
Unique Number : 10896180 **Diagnosed** : 25 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)