



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
2023

Component
Front Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (36 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195531	JR0184582	JR0169987
Sample Date		Client Info		16 Feb 2024	08 Nov 2023	21 Aug 2023
Machine Age	hrs	Client Info		3509	3022	2472
Oil Age	hrs	Client Info		500	3000	0
Filter Age	hrs	Client Info		500	3000	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		98	43	67
Iron	ppm	ASTM D5185m	>500	194	141	125
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	2	3	3
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	1	2	1
Lead	ppm	ASTM D5185m	>25	11	1	1
Copper	ppm	ASTM D5185m	>100	119	99	71
Tin	ppm	ASTM D5185m	>10	6	4	3
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

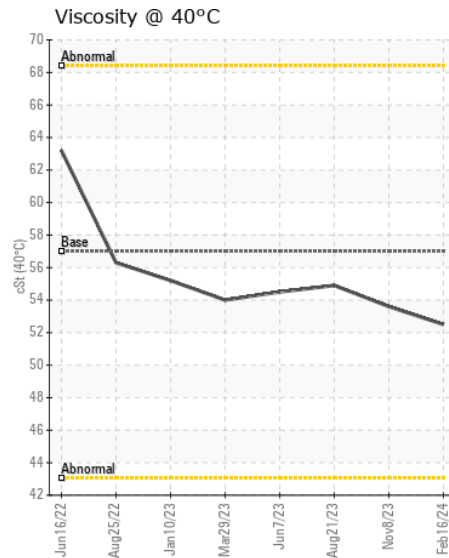
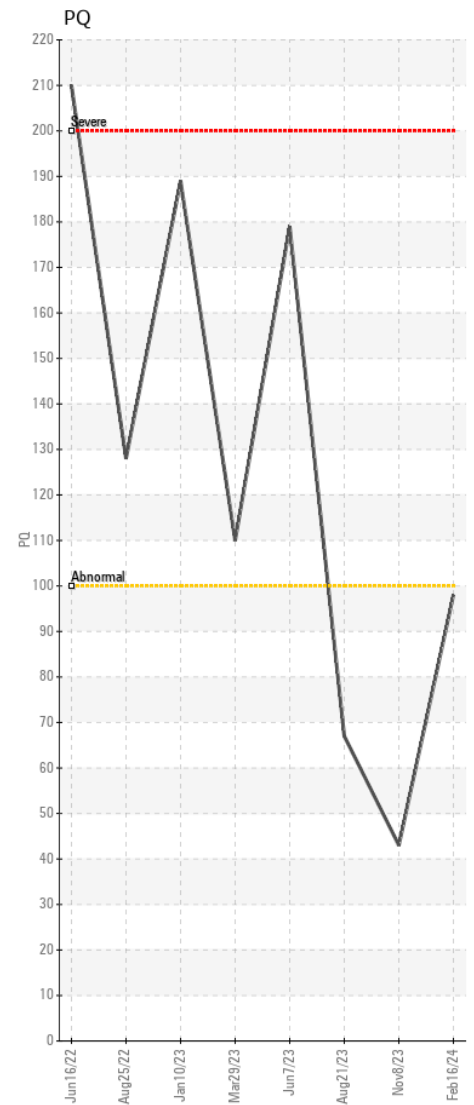
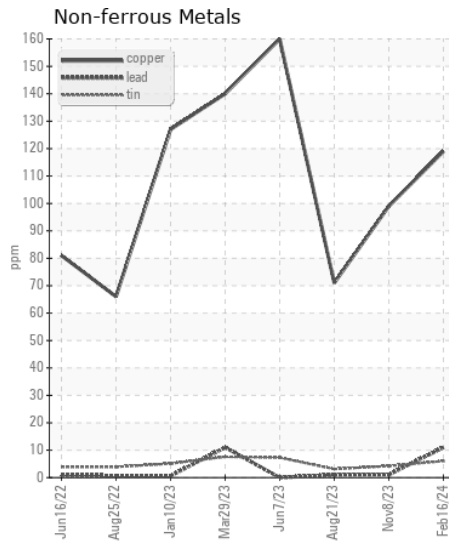
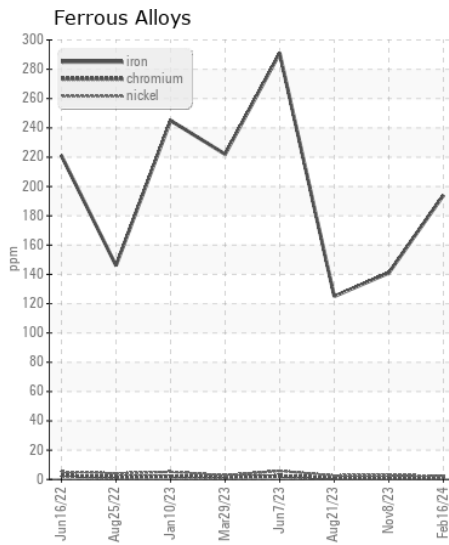
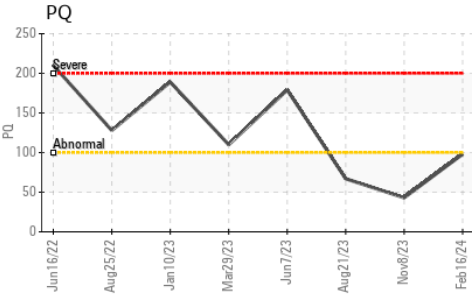
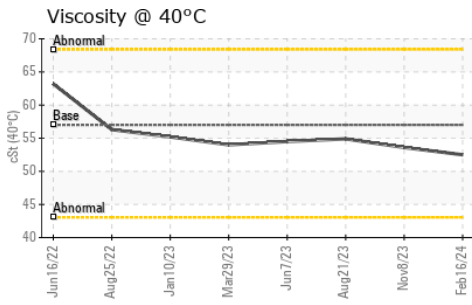
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	12	10	9
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<1	3	3
Boron	ppm	ASTM D5185m	6	14	12	14
Barium	ppm	ASTM D5185m	0	6	0	0
Molybdenum	ppm	ASTM D5185m	0	5	3	4
Manganese	ppm	ASTM D5185m		12	7	7
Magnesium	ppm	ASTM D5185m	145	102	107	117
Calcium	ppm	ASTM D5185m	3570	3133	3158	3443
Phosphorus	ppm	ASTM D5185m	1290	969	1028	1058
Zinc	ppm	ASTM D5185m	1640	1192	1221	1299
Sulfur	ppm	ASTM D5185m		3588	3286	4207
Visc @ 40°C	cSt	ASTM D445	57.0	52.5	53.6	54.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195531 **Received** : 22 Feb 2024
Lab Number : 06097957 **Tested** : 23 Feb 2024
Unique Number : 10896187 **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)