



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1DW768LBHMF712696

Component
Rear Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JRMC398473	JR0171417	JR0155026
Sample Date		Client Info		04 Jan 2024	26 Jun 2023	18 Jan 2023
Machine Age	hrs	Client Info		2542	1984	1505
Oil Age	hrs	Client Info		1000	1984	500
Filter Age	hrs	Client Info		500	0	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	18	30	8
Iron	ppm	ASTM D5185m	>750	162	463	3
Chromium	ppm	ASTM D5185m	>9	1	5	<1
Nickel	ppm	ASTM D5185m	>10	<1	3	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	3	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

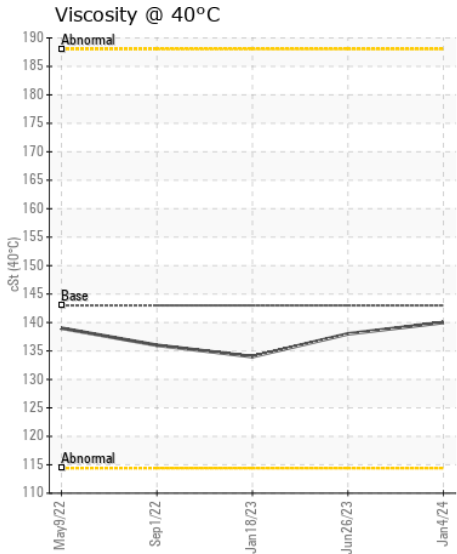
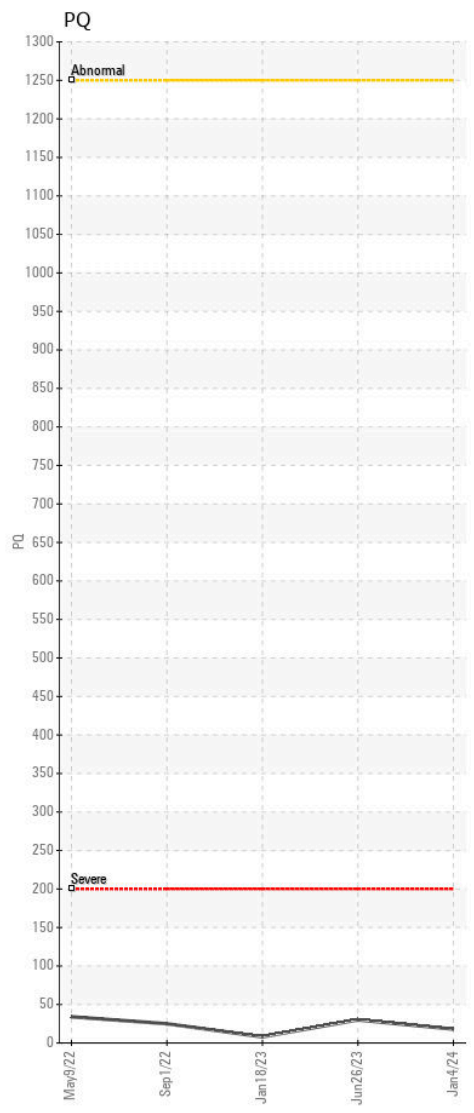
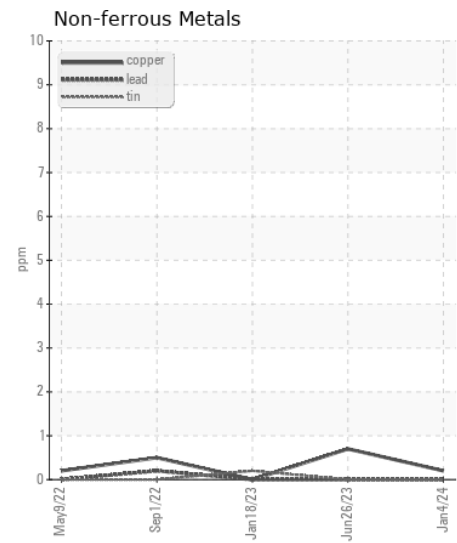
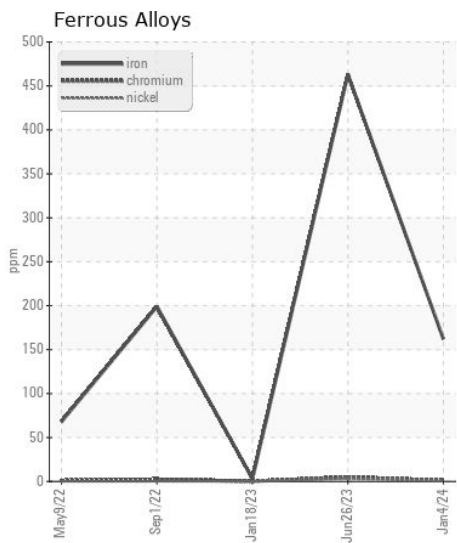
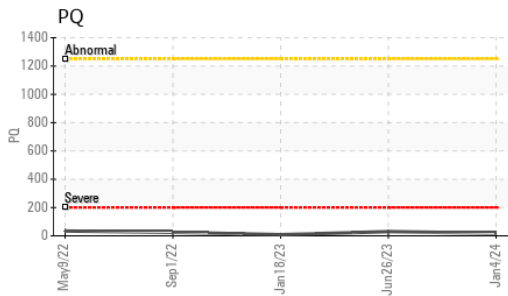
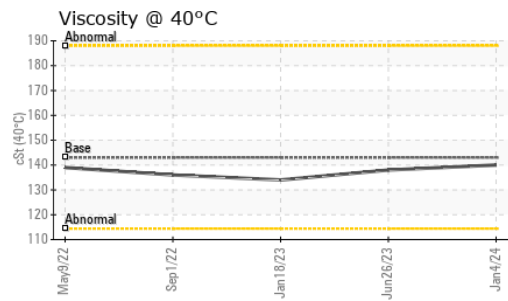
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	10	2
Potassium	ppm	ASTM D5185m	>20	2	1	<1
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	0	0	<1
Boron	ppm	ASTM D5185m	400	18	34	54
Barium	ppm	ASTM D5185m	200	0	0	0
Molybdenum	ppm	ASTM D5185m	12	<1	2	35
Manganese	ppm	ASTM D5185m		<1	4	<1
Magnesium	ppm	ASTM D5185m	12	16	52	116
Calcium	ppm	ASTM D5185m	150	28	15	236
Phosphorus	ppm	ASTM D5185m	1650	457	368	682
Zinc	ppm	ASTM D5185m	125	0	7	175
Sulfur	ppm	ASTM D5185m	22500	21345	21061	21005
Visc @ 40°C	cSt	ASTM D445	143	140	138	134



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JRMC398473 **Received** : 18 Jan 2024
Lab Number : 06065167 **Diagnosed** : 19 Jan 2024
Unique Number : 10836549 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)