WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

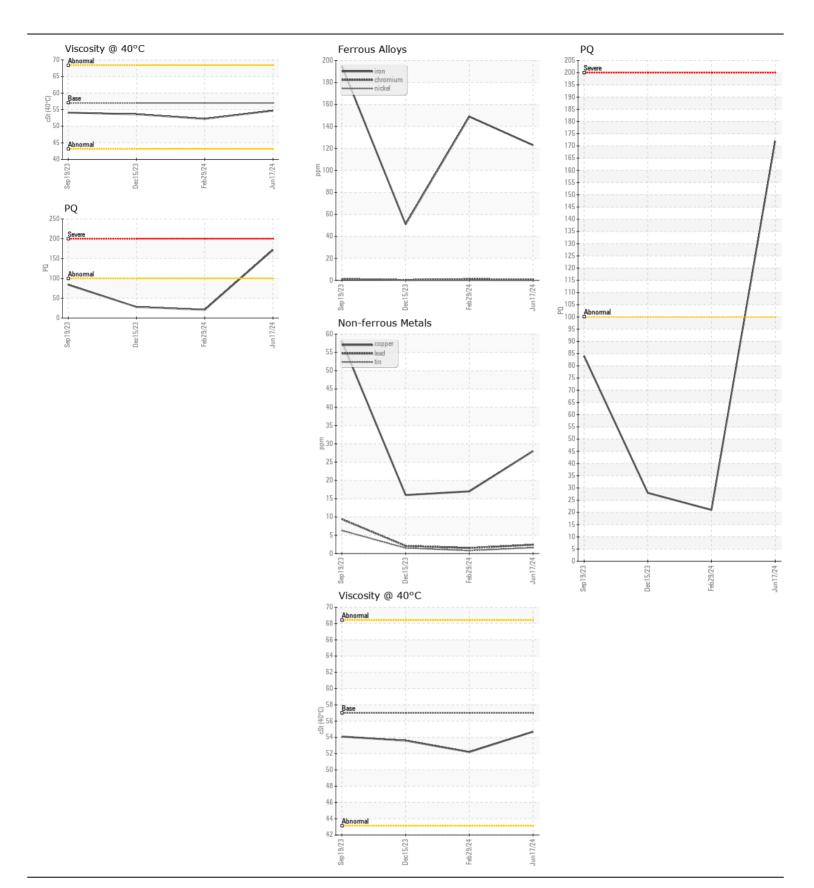
Machine Id

JOHN DEERE 648LB 1DW648LBANF716232

Rear Differential

Fluid
IOUN DEEDE UV CADD UVD/TDANS (Q CAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0208909	JR0200570	JR0193873
	Sample Date		Client Info		17 Jun 2024	29 Feb 2024	15 Dec 202
	Machine Age	hrs	Client Info		2114	1535	1071
	Oil Age	hrs	Client Info		2114	1071	581
	Filter Age	hrs	Client Info		1000	0	581
	Oil Changed		Client Info		Not Changd	Not Changd	Changed
	Filter Changed		Client Info		Not Changd	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	PO		ACTM D0104		170	01	20
VEAN	PQ		ASTM D8184	F00	172	21	28
All component wear rates are normal.	Iron	ppm	ASTM D5185m		123	149	51
	Chromium	ppm	ASTM D5185m		<1	1	<1
	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	05	0	0	0
	Aluminum	ppm	ASTM D5185m		4	4	1
	Lead	ppm	ASTM D5185m		2	2	2
	Copper	ppm	ASTM D5185m		28	17	16
	Tin	ppm	ASTM D5185m	>10	2	<1	2
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	11	41	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	3	1
	Water		WC Method		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	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
LUID CONDITION	0 "				_		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	•	5	<1	3
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		<1	1	0
	Barium	ppm	ASTM D5185m		<1	0	<1
	Molybdenum	ppm	ASTM D5185m	0	<1	0	0
	Manganese	ppm	ASTM D5185m		3	2	1
	Magnesium	ppm	ASTM D5185m		81	92	99
	Calcium	ppm	ASTM D5185m		3379	3340	3507
	Phosphorus	ppm	ASTM D5185m		1041	920	1045
	Zinc	ppm	ASTM D5185m	1640	1193	1184	1255
	Sulfur	ppm	ASTM D5185m		3993	4304	4133
	Visc @ 40°C	cSt	ASTM D445	57.0	54.7	52.2	53.6







Laboratory Sample No.

: JR0208909 Lab Number : 06216024 Unique Number : 11088888

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received **Tested**

Diagnosed

: 20 Jun 2024 : 22 Jun 2024

: 22 Jun 2024 - Wes Davis

NEUSE RIVER FOREST PRODUCTS PO BOX 234 PRINCETON, NC US 27569 Contact: Service Manager

Test Package : CONST (Additional Tests: PQ) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. neuseriverfp@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: F: