



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 844L 1DW844LXCNL715618
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007454	WE0005265	WE0005428
Sample Date		Client Info		10 Jun 2024	21 Mar 2024	09 Nov 2023
Machine Age	hrs	Client Info		4272	3970	3067
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	27	46
Iron	ppm	ASTM D5185m	>500	19	50	103
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	1	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	<1	1	2
Lead	ppm	ASTM D5185m	>25	<1	2	5
Copper	ppm	ASTM D5185m	>100	13	40	▲ 117
Tin	ppm	ASTM D5185m	>10	<1	2	2
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

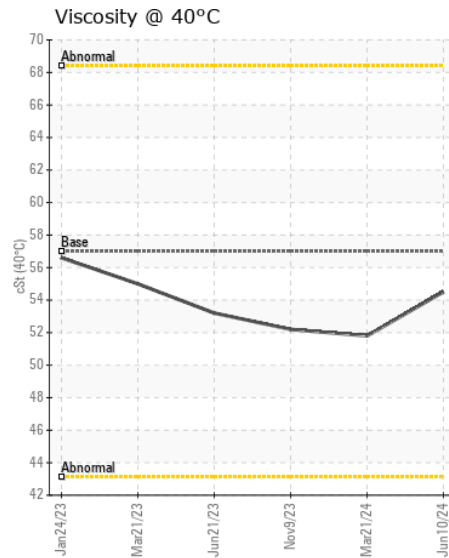
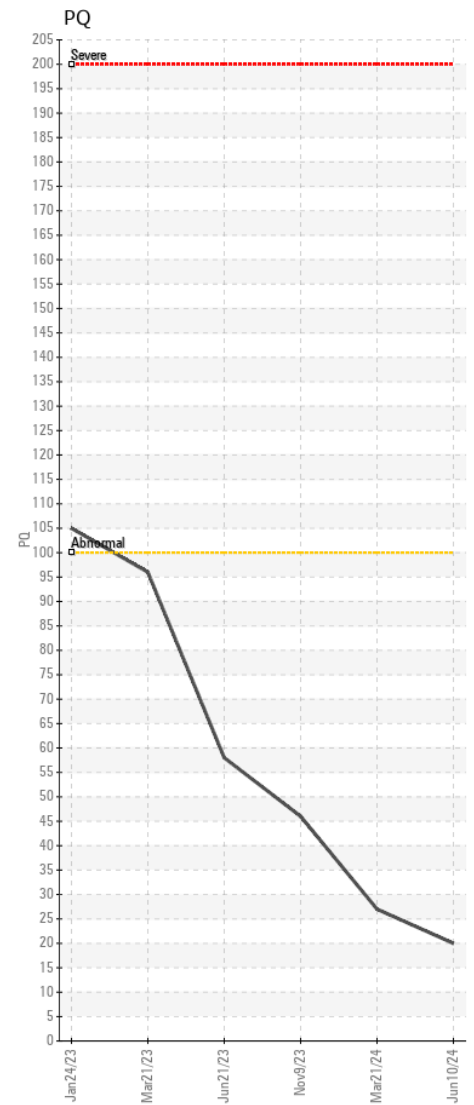
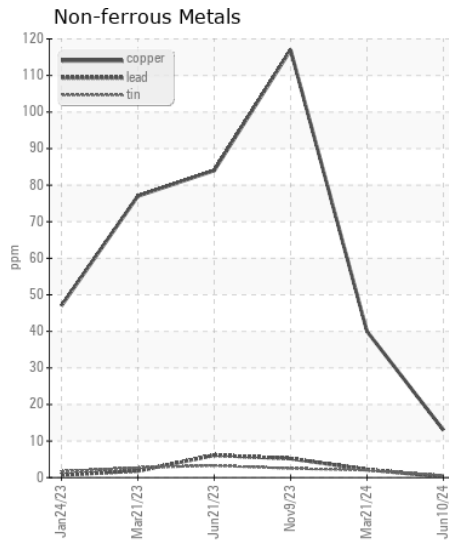
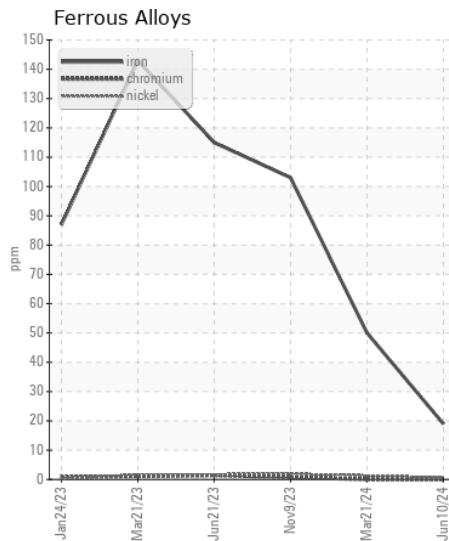
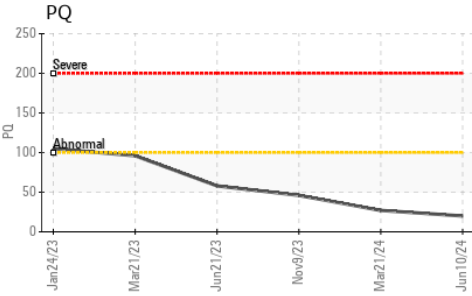
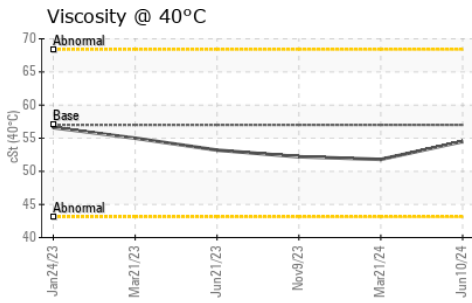
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	8	10
Potassium	ppm	ASTM D5185m	>20	2	2	3
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.

Sodium	ppm	ASTM D5185m		2	3	0
Boron	ppm	ASTM D5185m	6	1	2	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		2	4	12
Magnesium	ppm	ASTM D5185m	145	105	108	95
Calcium	ppm	ASTM D5185m	3570	3602	3685	3560
Phosphorus	ppm	ASTM D5185m	1290	1085	1145	1076
Zinc	ppm	ASTM D5185m	1640	1303	1327	1309
Sulfur	ppm	ASTM D5185m		4266	4345	3931
Visc @ 40°C	cSt	ASTM D445	57.0	54.5	51.8	52.2



Certificate L2367

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

Sample No. : WE0007454

Lab Number : 06211995

Unique Number : 11084859

Test Package : CONST (Additional Tests: PQ)

Received : 17 Jun 2024

Tested : 18 Jun 2024

Diagnosed : 18 Jun 2024 - Wes Davis

WARRIOR TRACTOR AND EQUIPMENT - MONROEVILLE

66 INDUSTRIAL PARK DR

MONROEVILLE, AL

US 36460

Contact: SCOTT WILLIAMSON

swilliamson@warriortractor.com

T: (251)575-7111

F:

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)