



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W66955]
 Machine Id
JOHN DEERE 750K 1T0750KXHFK363027
 Component
Left Outer Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66955)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215432	JR0198709	JR0188667
Sample Date		Client Info		09 May 2024	15 Jan 2024	29 Sep 2023
Machine Age	hrs	Client Info		7157	6578	6002
Oil Age	hrs	Client Info		6581	576	5057
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	112	9	25
Iron	ppm	ASTM D5185m	>750	208	34	38
Chromium	ppm	ASTM D5185m	>9	1	0	0
Nickel	ppm	ASTM D5185m	>10	2	0	0
Titanium	ppm	ASTM D5185m		2	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	32	1	3
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	<1	0	0
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

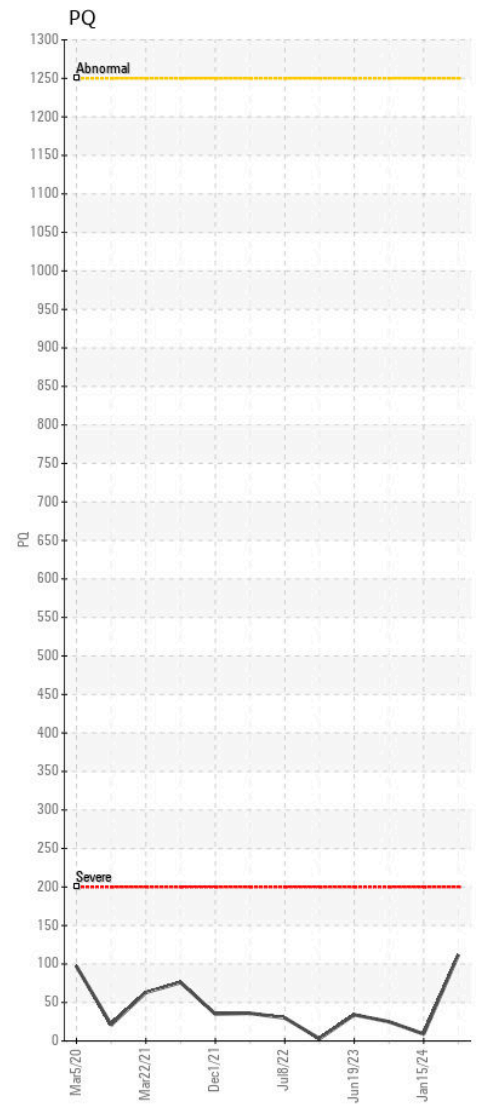
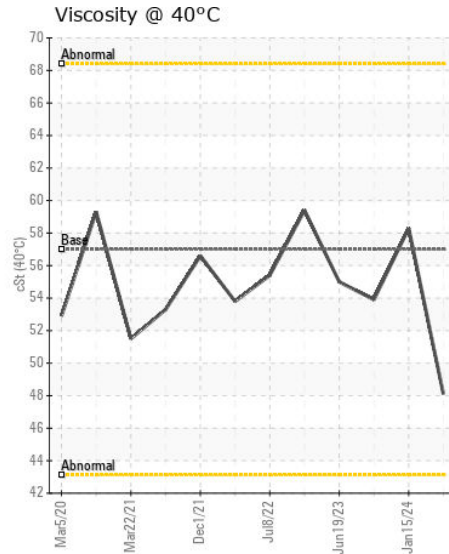
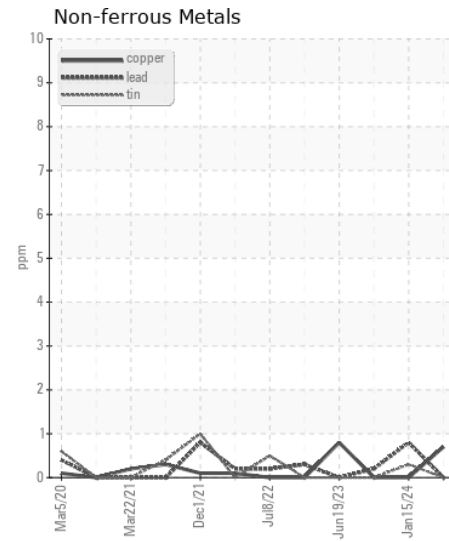
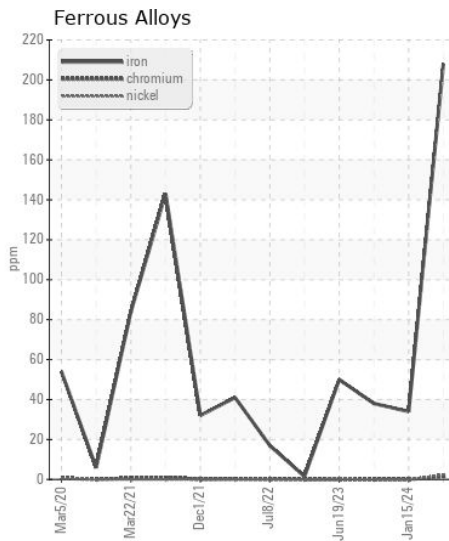
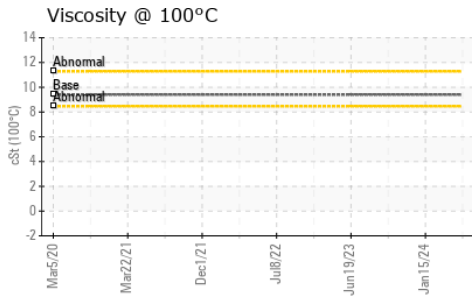
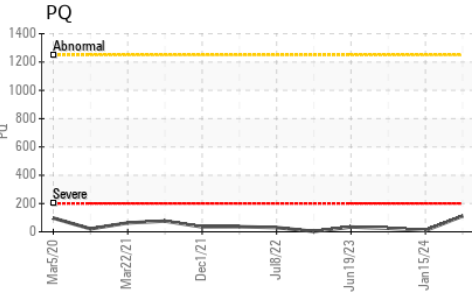
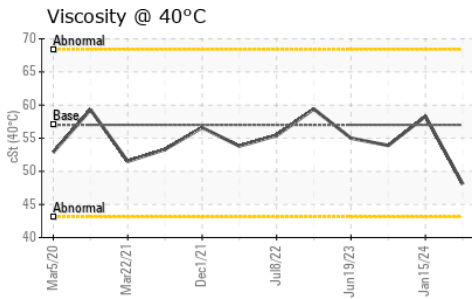
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	71	8	12
Potassium	ppm	ASTM D5185m	>20	7	<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	>51	1	<1	2
Boron	ppm	ASTM D5185m	6	0	3	3
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	1	0	<1
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	145	100	107	111
Calcium	ppm	ASTM D5185m	3570	3596	3338	3598
Phosphorus	ppm	ASTM D5185m	1290	1163	1070	1054
Zinc	ppm	ASTM D5185m	1640	1275	1288	1304
Sulfur	ppm	ASTM D5185m		3953	4132	3733
Visc @ 40°C	cSt	ASTM D445	57.0	48.1	58.3	53.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215432 **Received** : 10 May 2024
Lab Number : 06175760 **Tested** : 14 May 2024
Unique Number : 11021813 **Diagnosed** : 14 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: FT-IR, KV100, PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

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)