



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W15395]
 Machine Id
JOHN DEERE 750K 1T0750KXJHF306604
 Component
Right Inner Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15395)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196367	JR0136117	JR0007175
Sample Date		Client Info		07 Feb 2024	28 Sep 2022	08 May 2019
Machine Age	hrs	Client Info		4316	3745	1891
Oil Age	hrs	Client Info		571	1854	780
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	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	15	20	18
Iron	ppm	ASTM D5185m	>750	9	40	9
Chromium	ppm	ASTM D5185m	>9	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	1	<1
Lead	ppm	ASTM D5185m	>15	1	<1	0
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

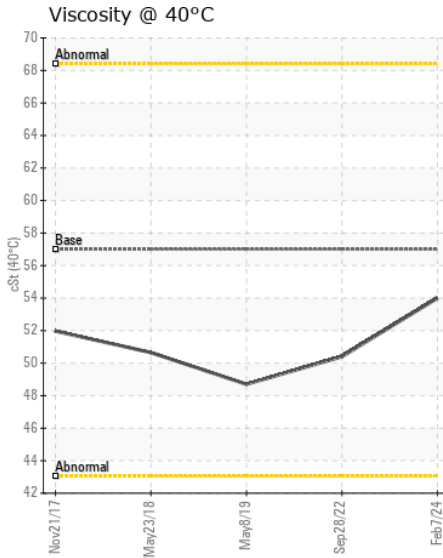
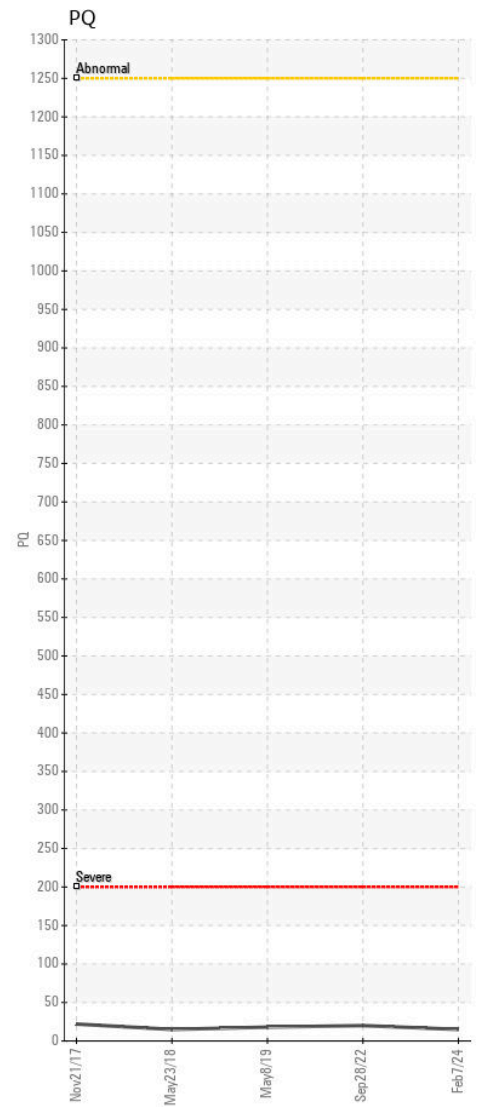
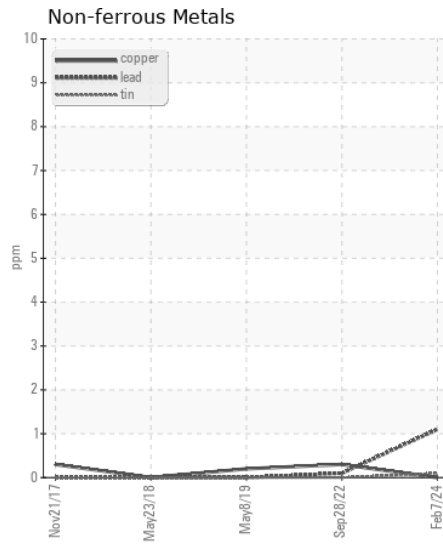
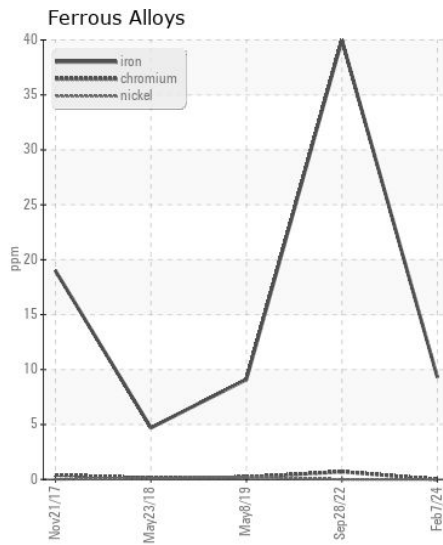
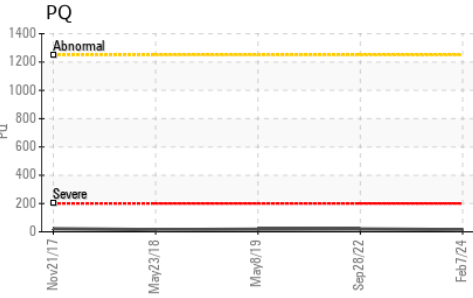
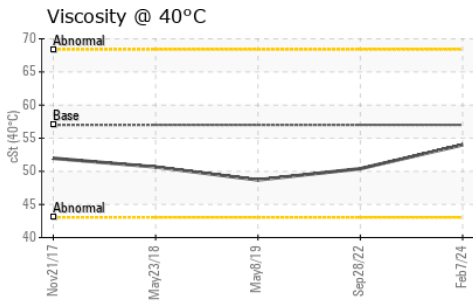
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	13	15
Potassium	ppm	ASTM D5185m	>20	0	3	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	<1	8	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	3	0
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	94	114	95
Calcium	ppm	ASTM D5185m	3570	3253	4027	3406
Phosphorus	ppm	ASTM D5185m	1290	973	1243	956
Zinc	ppm	ASTM D5185m	1640	1193	1483	1199
Sulfur	ppm	ASTM D5185m		3227	5226	3018
Visc @ 40°C	cSt	ASTM D445	57.0	54.0	50.4	48.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196367 **Received** : 09 Feb 2024
Lab Number : 06085021 **Tested** : 11 Feb 2024
Unique Number : 10872466 **Diagnosed** : 12 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
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 US 27529
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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)