



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W50925]
 Machine Id
JOHN DEERE 300D BE300DT201357
 Component
Transfer Case
 Fluid
JOHN DEERE HD SynTran (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W50925)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222548	JR0130316	JR0034221
Sample Date		Client Info		27 Jun 2024	16 May 2022	21 Nov 2019
Machine Age	hrs	Client Info		11829	10825	9961
Oil Age	hrs	Client Info		1004	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		59	66	28
Iron	ppm	ASTM D5185m	>100	104	196	49
Chromium	ppm	ASTM D5185m	>5	<1	1	<1
Nickel	ppm	ASTM D5185m	>5	1	0	2
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	3	10
Lead	ppm	ASTM D5185m	>50	6	24	13
Copper	ppm	ASTM D5185m	>60	2	4	▲ 216
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

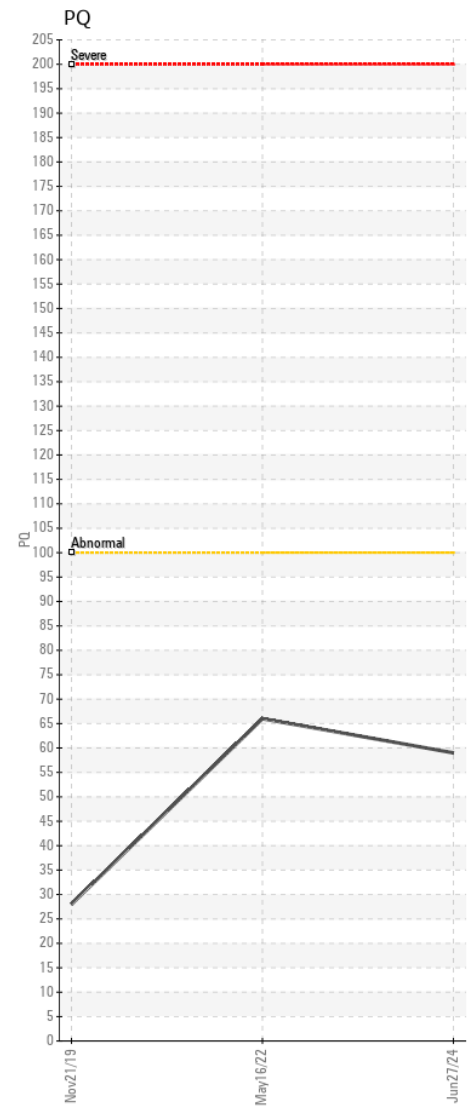
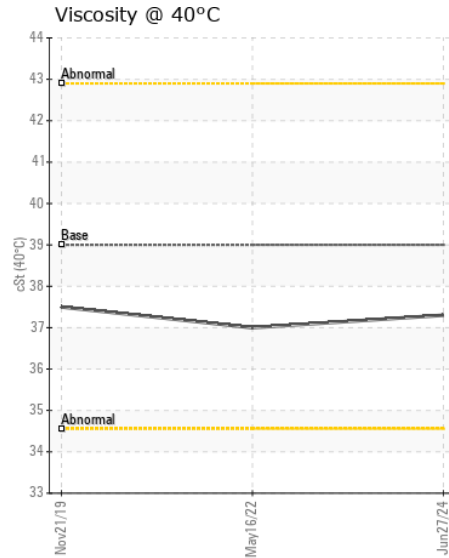
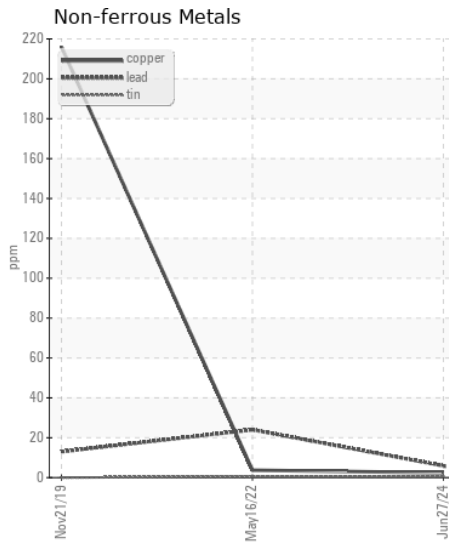
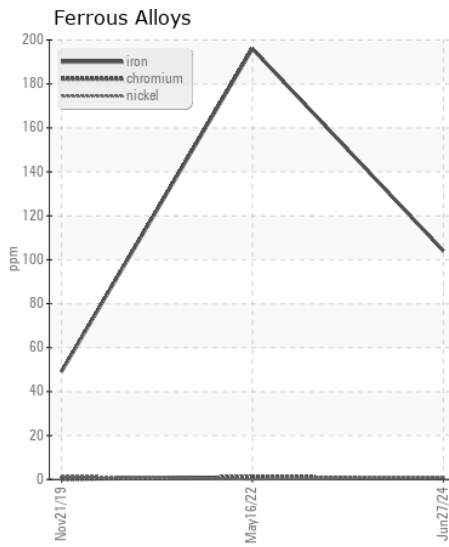
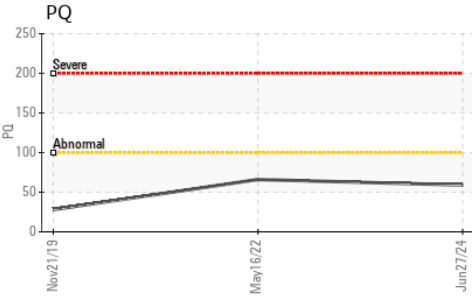
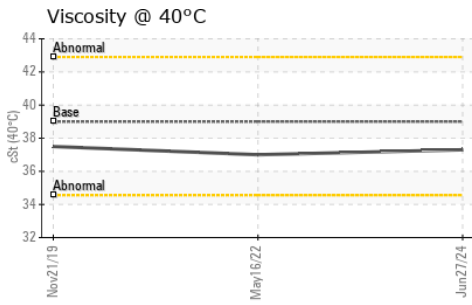
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>11	7	8	5
Potassium	ppm	ASTM D5185m	>20	2	1	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	VLITE	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	0	0	21
Boron	ppm	ASTM D5185m	168	148	162	84
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	3
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		2	4	9
Calcium	ppm	ASTM D5185m	33	103	180	778
Phosphorus	ppm	ASTM D5185m	330	327	399	432
Zinc	ppm	ASTM D5185m	0	30	54	255
Sulfur	ppm	ASTM D5185m	980	1362	1435	1943
Visc @ 40°C	cSt	ASTM D445	39	37.3	37.0	37.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222548 **Received** : 01 Jul 2024
Lab Number : 06225392 **Tested** : 02 Jul 2024
Unique Number : 11103589 **Diagnosed** : 03 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com

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)

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F: