



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

BURKEVILLE

Machine Id

JOHN DEERE 300D M01-0305 1DW300DXECE650170

Component

Transmission

Fluid

JOHN DEERE HD SynTran (6 QTS)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224913	JRMC412121	LECP160993
Sample Date		Client Info		02 Jul 2024	21 Mar 2016	18 Sep 2015
Machine Age	hrs	Client Info		12271	2748	2560
Oil Age	hrs	Client Info		0	0	520
Filter Age	hrs	Client Info		0	0	1993
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The aluminum level is abnormal. The iron level is abnormal.

PQ		ASTM D8184	>100	29	8.0	25.0
Iron	ppm	ASTM D5185m	>61	▲ 66	34	31
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m		<1	3	3
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	▲ 46	▲ 83	▲ 77
Lead	ppm	ASTM D5185m	>9	0	<1	<1
Copper	ppm	ASTM D5185m	>100	8	9	8
Tin	ppm	ASTM D5185m	>3	1	5	6
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the fluid.

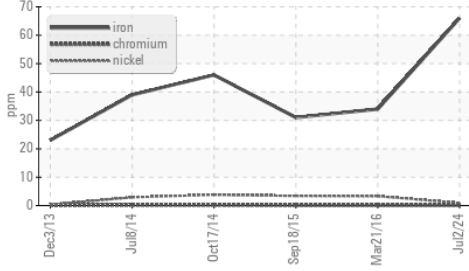
Silicon	ppm	ASTM D5185m	>21	11	11	9
Potassium	ppm	ASTM D5185m	>20	2	1	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG

FLUID CONDITION

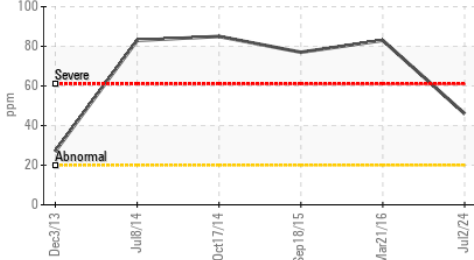
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	4	2	2
Boron	ppm	ASTM D5185m	168	103	115	111
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m	33	36	34	29
Phosphorus	ppm	ASTM D5185m	330	291	268	280
Zinc	ppm	ASTM D5185m	0	2	5	2
Sulfur	ppm	ASTM D5185m	980	343	816	893
Visc @ 40°C	cSt	ASTM D445	39	41.1	38.45	38.44

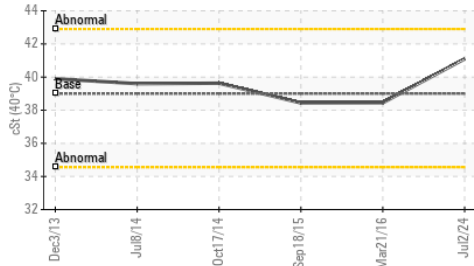
▲ Ferrous Alloys



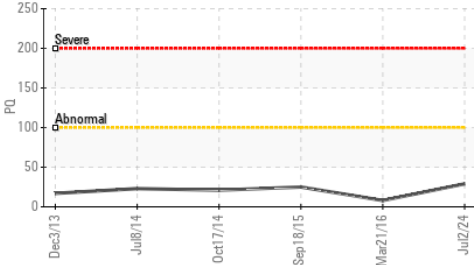
▲ Aluminum (ppm)



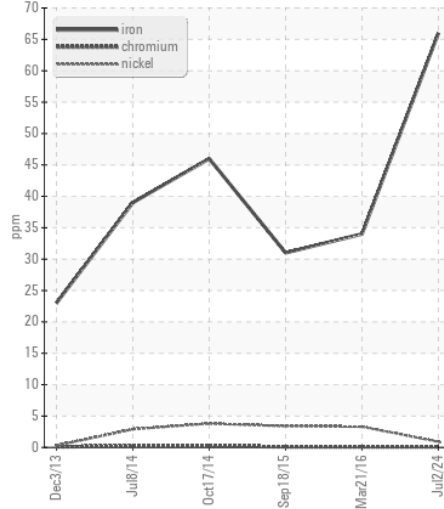
Viscosity @ 40°C



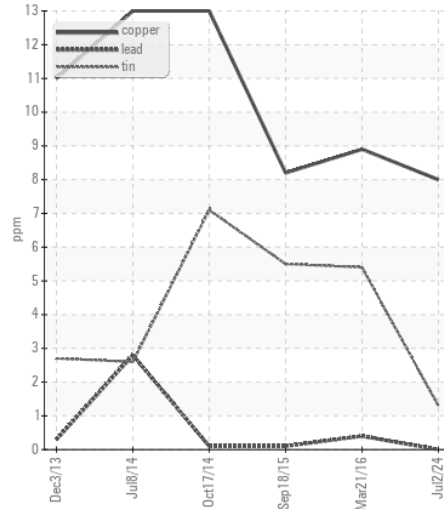
PQ



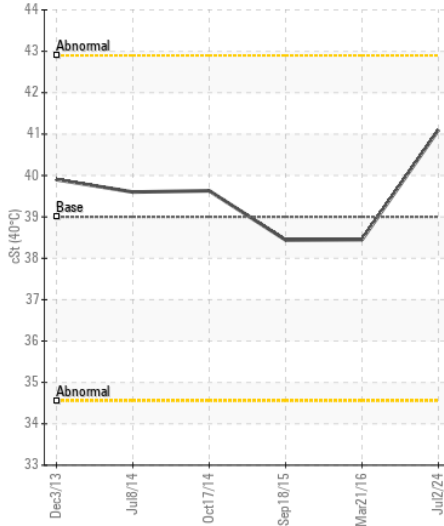
▲ Ferrous Alloys



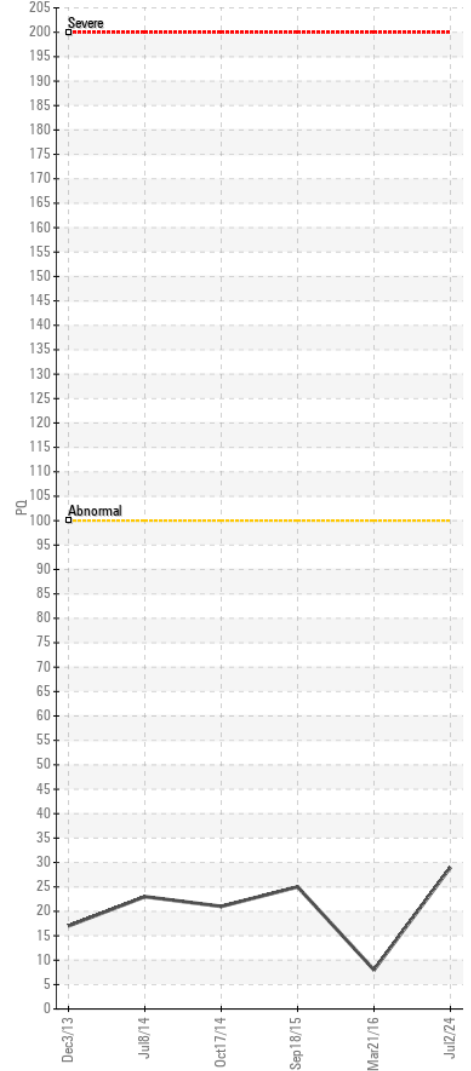
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224913 **Received** : 05 Jul 2024
Lab Number : 06228863 **Tested** : 08 Jul 2024
Unique Number : 11112356 **Diagnosed** : 08 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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