



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2005 JOHN DEERE 650J 9X2 DOZER (S/N T0650JX115089)

Component
Transmission

Fluid
JOHN DEERE HY-GARD HYD/TRANS (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0191401	JR0149501	JRMC446816
Sample Date		Client Info		20 Dec 2023	16 Nov 2022	08 Dec 2020
Machine Age	hrs	Client Info		1849	1807	1782
Oil Age	hrs	Client Info		1849	1807	1782
Filter Age	hrs	Client Info		1807	1807	1782
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		7	8	11
Iron	ppm	ASTM D5185m	>200	6	7	9
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>50	0	<1	0
Lead	ppm	ASTM D5185m	>50	9	11	10
Copper	ppm	ASTM D5185m	>200	32	37	38
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	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 fluid.

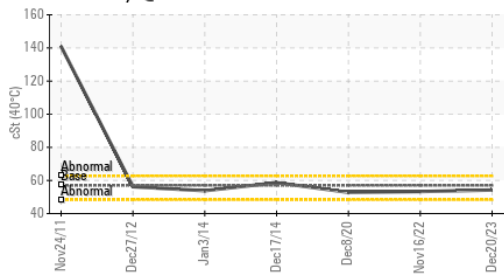
Silicon	ppm	ASTM D5185m	>50	19	22	18
Potassium	ppm	ASTM D5185m	>20	<1	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

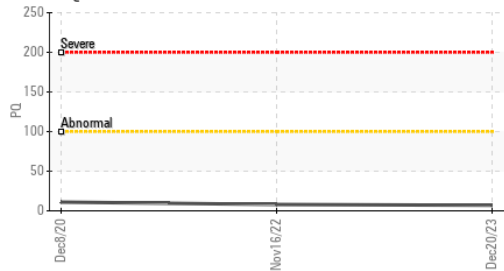
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	4	0
Boron	ppm	ASTM D5185m	6	8	7	12
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	4	5
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	212	249	243
Calcium	ppm	ASTM D5185m	3570	2330	2483	2549
Phosphorus	ppm	ASTM D5185m	1290	974	1071	1123
Zinc	ppm	ASTM D5185m	1640	1286	1315	1294
Sulfur	ppm	ASTM D5185m		3591	4280	3484
Visc @ 40°C	cSt	ASTM D445	57.0	54.2	53.3	52.8

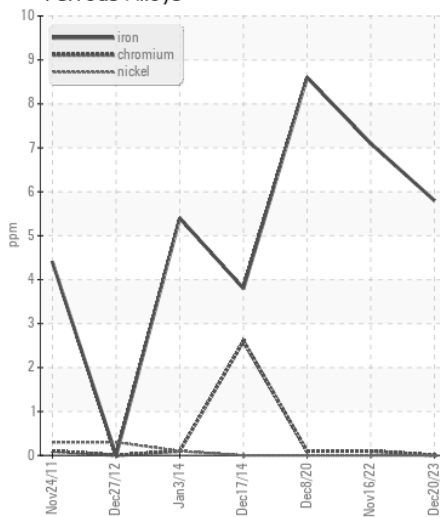
Viscosity @ 40°C



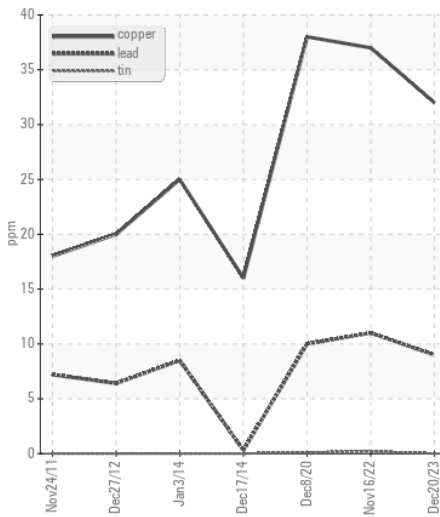
PQ



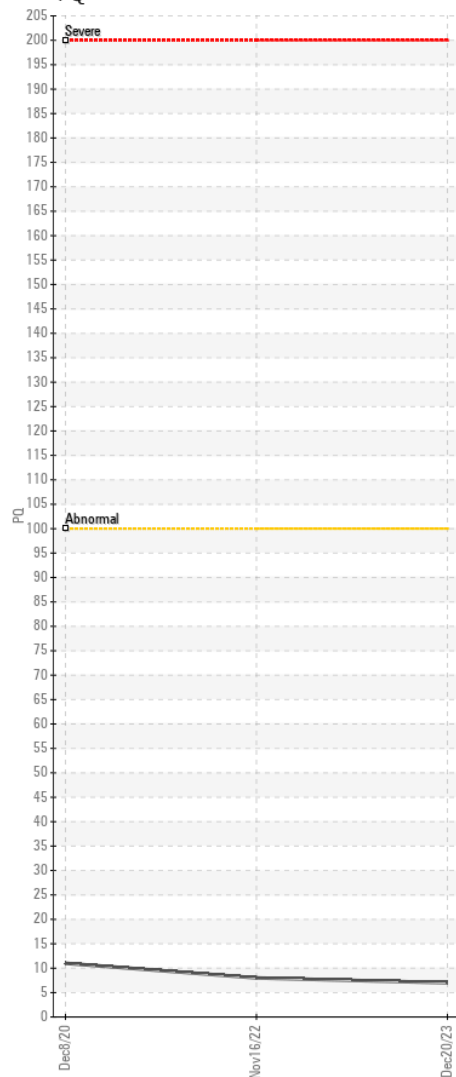
Ferrous Alloys



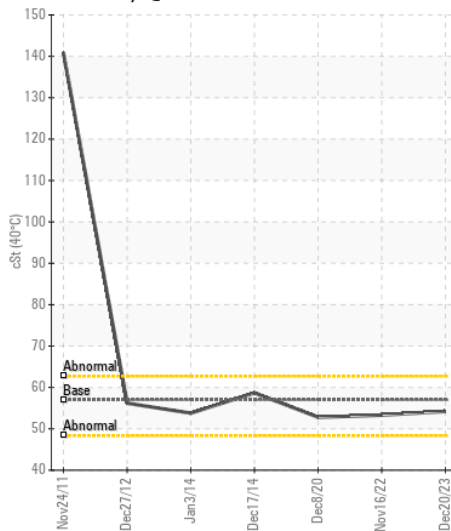
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0191401 Recieved : 17 Jan 2024
 Lab Number : 06062987 Diagnosed : 18 Jan 2024
 Unique Number : 10834369 Diagnostician : Wes Davis
 Test Package : CONST (Additional Tests: PQ)

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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)