



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO#145877]
Machine Id
JOHN DEERE 672G 1DW672GXAKF701302
Component
Left 6WD Hub
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047026	LEC0034116	LEC0012886
Sample Date		Client Info		11 Jan 2024	19 Aug 2022	03 Nov 2020
Machine Age	hrs	Client Info		1209	854	428
Oil Age	hrs	Client Info		1209	854	428
Filter Age	hrs	Client Info		1209	428	428
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		44	120	95
Iron	ppm	ASTM D5185m	>200	58	211	145
Chromium	ppm	ASTM D5185m	>10	<1	1	1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	5
Aluminum	ppm	ASTM D5185m		2	3	<1
Lead	ppm	ASTM D5185m		<1	<1	<1
Copper	ppm	ASTM D5185m		<1	5	3
Tin	ppm	ASTM D5185m		<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
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.

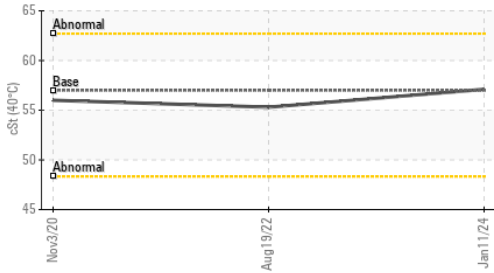
Silicon	ppm	ASTM D5185m		7	7	7
Potassium	ppm	ASTM D5185m	>20	<1	5	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

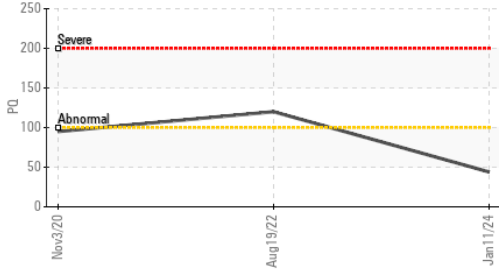
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<1	0	2
Boron	ppm	ASTM D5185m	6	3	2	6
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m		<1	3	2
Magnesium	ppm	ASTM D5185m	145	108	82	97
Calcium	ppm	ASTM D5185m	3570	3380	3203	3469
Phosphorus	ppm	ASTM D5185m	1290	1102	927	1013
Zinc	ppm	ASTM D5185m	1640	1280	1114	1228
Sulfur	ppm	ASTM D5185m		3535	2967	2987
Visc @ 40°C	cSt	ASTM D445	57.0	57.1	55.3	56.0

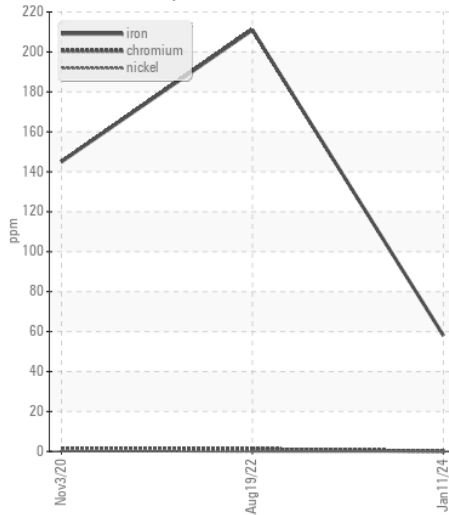
Viscosity @ 40°C



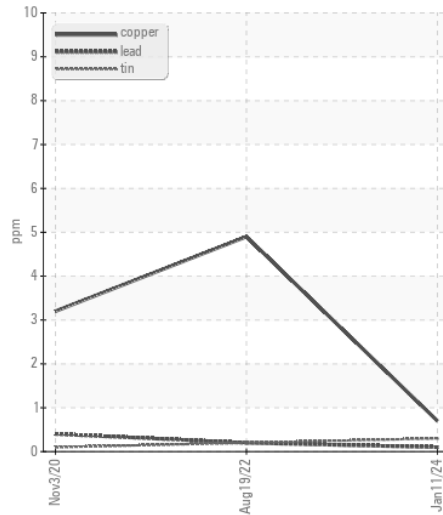
PQ



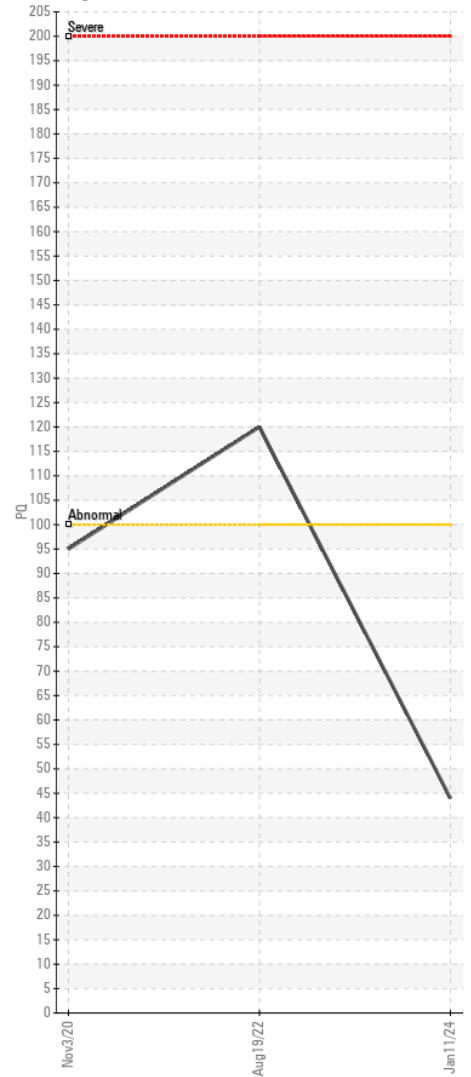
Ferrous Alloys



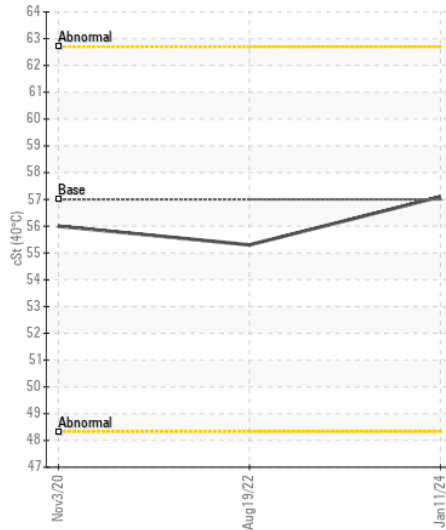
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047026 **Received** : 12 Jan 2024
Lab Number : 06060446 **Diagnosed** : 16 Jan 2024
Unique Number : 10831828 **Diagnostician** : Wes Davis
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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