



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 325G 1T0325GKVKJ355651

Component
Diesel Engine

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0125889	JR0020936	---
Sample Date		Client Info		04 Jan 2024	21 Jul 2022	---
Machine Age	hrs	Client Info		967	622	---
Oil Age	hrs	Client Info		967	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	39	53	---
Chromium	ppm	ASTM D5185m	>11	1	1	---
Nickel	ppm	ASTM D5185m	>5	1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>31	8	12	---
Lead	ppm	ASTM D5185m	>26	<1	2	---
Copper	ppm	ASTM D5185m	>26	29	▲ 106	---
Tin	ppm	ASTM D5185m	>4	1	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

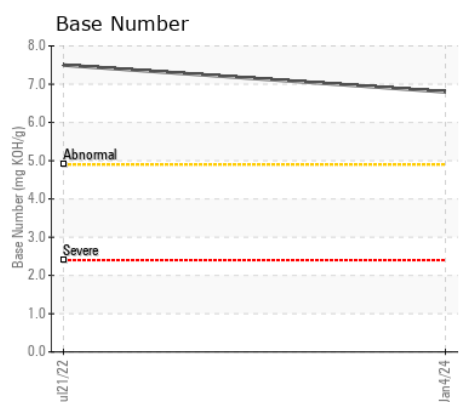
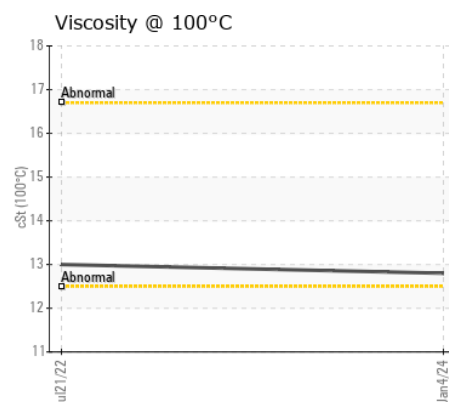
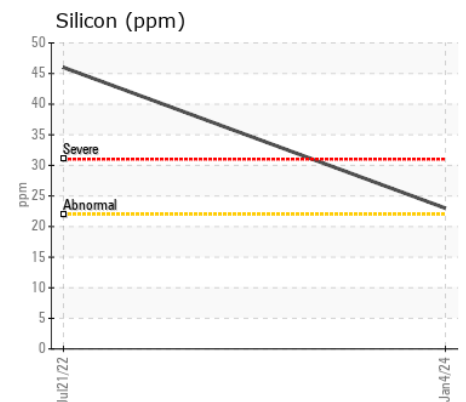
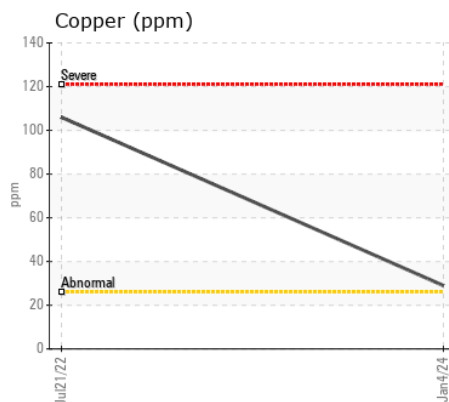
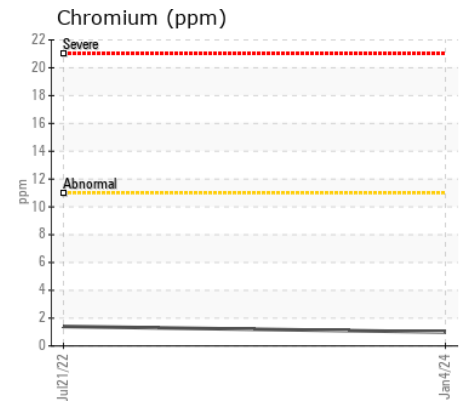
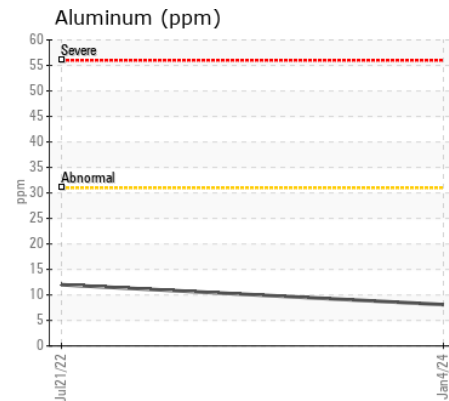
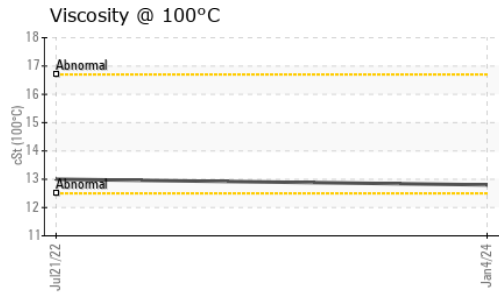
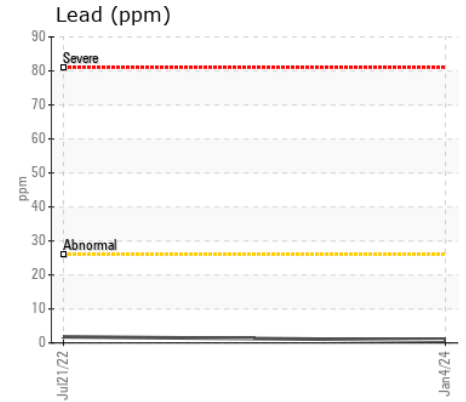
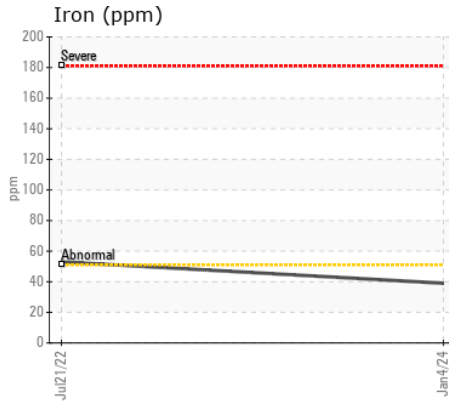
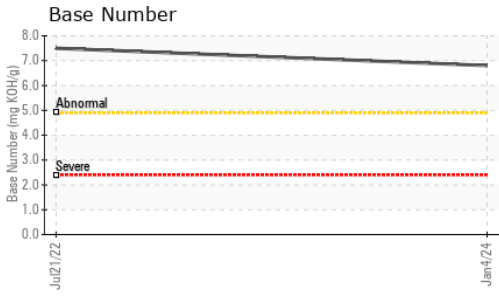
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	23	▲ 46	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.8	1	---
Nitration	Abs/cm	*ASTM D7624	>20	9.5	12.0	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6	30.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	0	10	---
Boron	ppm	ASTM D5185m		185	202	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		235	210	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m		719	635	---
Calcium	ppm	ASTM D5185m		1476	1738	---
Phosphorus	ppm	ASTM D5185m		745	834	---
Zinc	ppm	ASTM D5185m		1040	1061	---
Sulfur	ppm	ASTM D5185m		2917	3468	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.5	27.8	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.8	7.5	---
Visc @ 100°C	cSt	ASTM D445		12.8	13.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0125889 **Received** : 09 Jan 2024
Lab Number : 06055185 **Diagnosed** : 10 Jan 2024
Unique Number : 10821134 **Diagnostician** : Don Baldrige
Test Package : MOBCE (Additional Tests: TBN)

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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