



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 318D 1T0318DAKDG241161
 Component
Diesel Engine
 Fluid
{not provided} (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0226507	JRMC397339	---
Sample Date		Client Info		16 Jul 2024	22 Jul 2016	---
Machine Age	hrs	Client Info		2624	890	---
Oil Age	hrs	Client Info		0	200	---
Filter Age	hrs	Client Info		0	200	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	44	10	---
Chromium	ppm	ASTM D5185m	>11	<1	0	---
Nickel	ppm	ASTM D5185m	>5	2	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	7	4	---
Lead	ppm	ASTM D5185m	>26	<1	0	---
Copper	ppm	ASTM D5185m	>13	3	<1	---
Tin	ppm	ASTM D5185m	>4	1	7	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

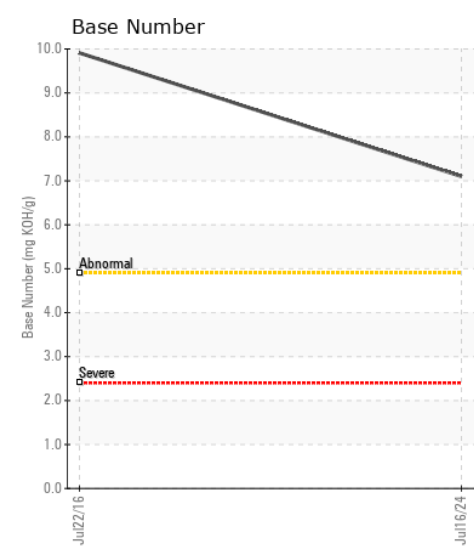
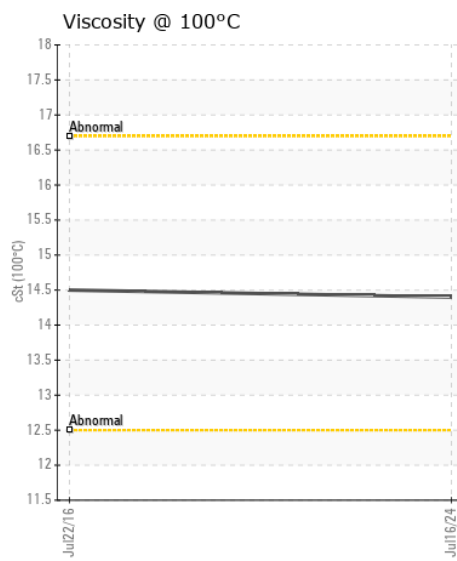
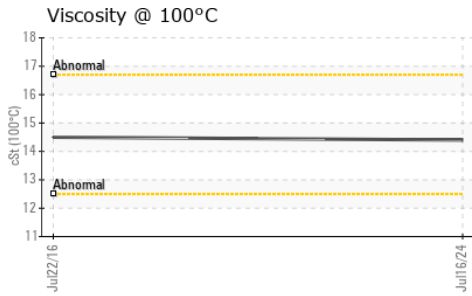
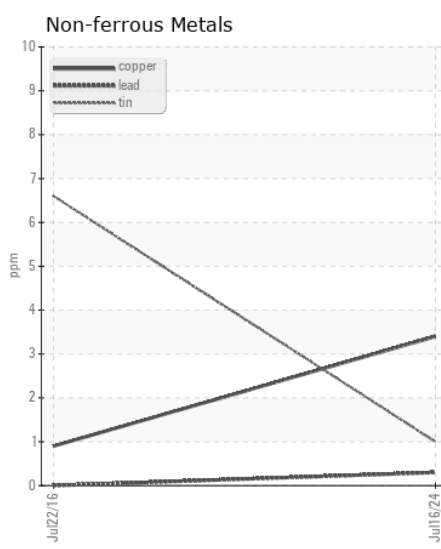
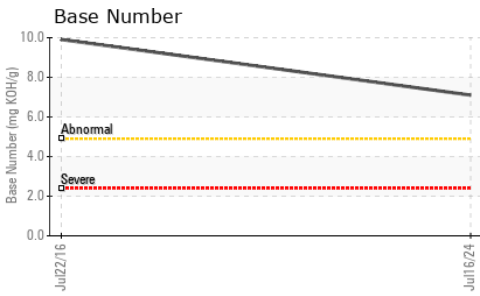
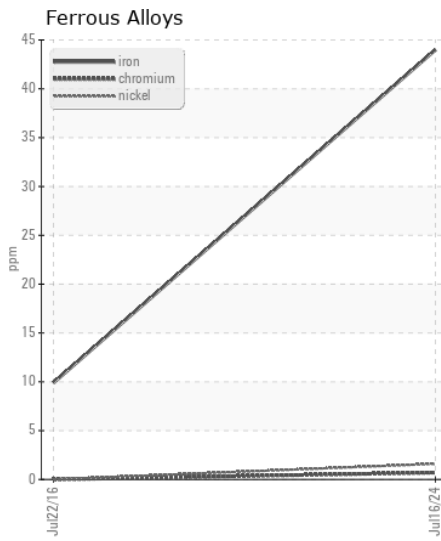
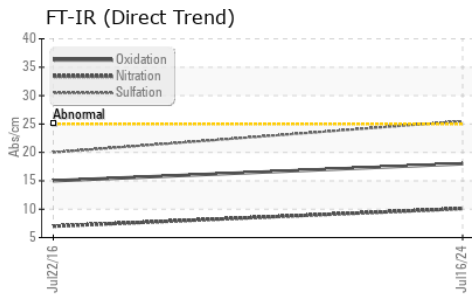
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>81	11	20	---
Potassium	ppm	ASTM D5185m	>20	5	1	---
Fuel		WC Method	>1.6	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.9	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	10.1	7.	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.5	20.	---
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	6	3	---
Boron	ppm	ASTM D5185m		147	231	---
Barium	ppm	ASTM D5185m		1	0	---
Molybdenum	ppm	ASTM D5185m		219	220	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m		687	784	---
Calcium	ppm	ASTM D5185m		1581	1277	---
Phosphorus	ppm	ASTM D5185m		879	717	---
Zinc	ppm	ASTM D5185m		1108	977	---
Sulfur	ppm	ASTM D5185m		3016	2620	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	15.	---
Base Number (BN)	mg KOH/g	ASTM D2896		7.1	9.91	---
Visc @ 100°C	cSt	ASTM D445		14.4	14.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0226507 **Received** : 17 Jul 2024
Lab Number : 06239012 **Tested** : 18 Jul 2024
Unique Number : 11127846 **Diagnosed** : 18 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: TBN)

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 Contact: DON VEST
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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)