



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 135G 1FF135GXTMF502785
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194983	JR0169183	---
Sample Date		Client Info		10 Jul 2024	19 Apr 2023	---
Machine Age	hrs	Client Info		1354	522	---
Oil Age	hrs	Client Info		500	142	---
Filter Age	hrs	Client Info		500	142	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

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

CONTAMINATION

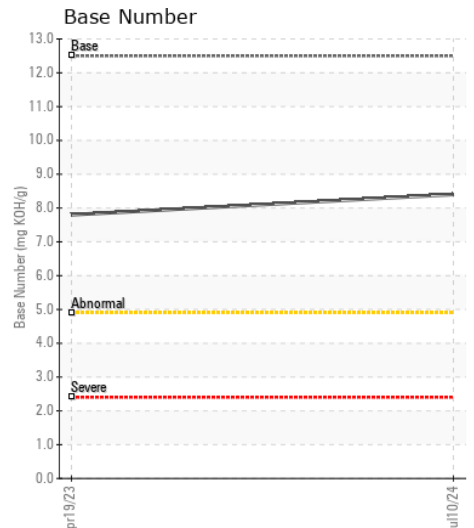
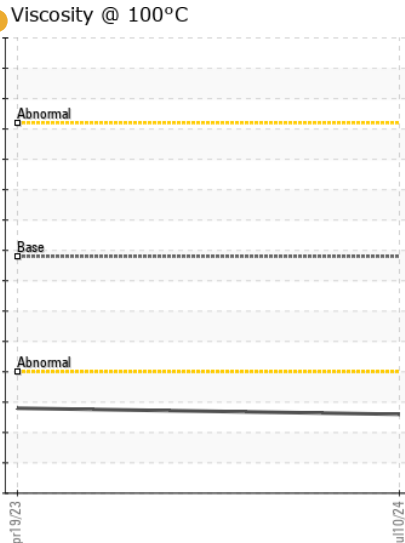
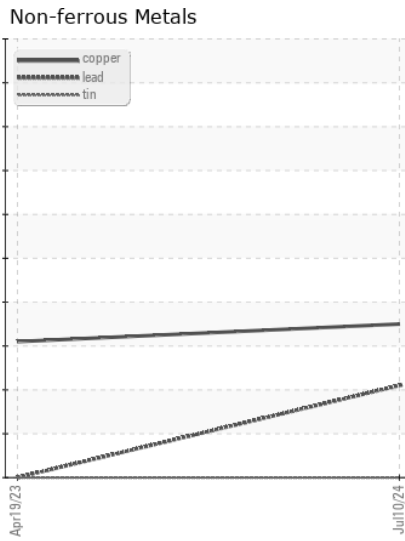
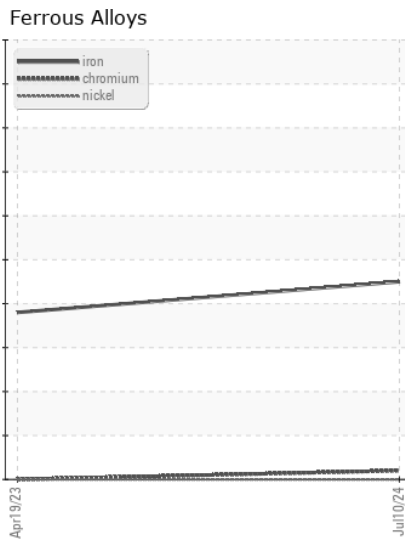
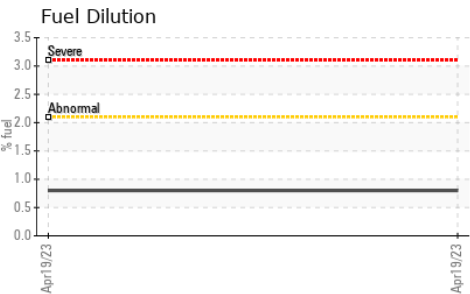
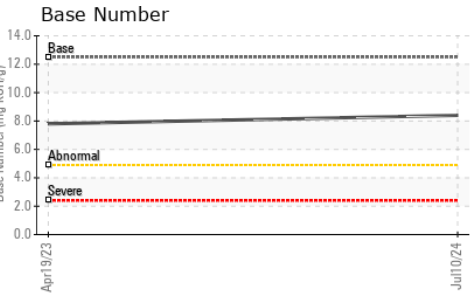
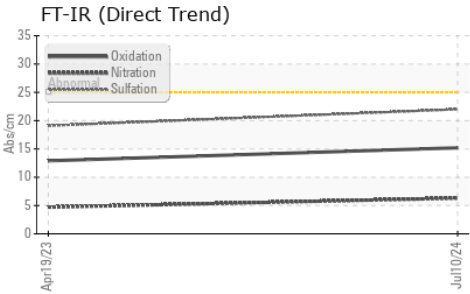
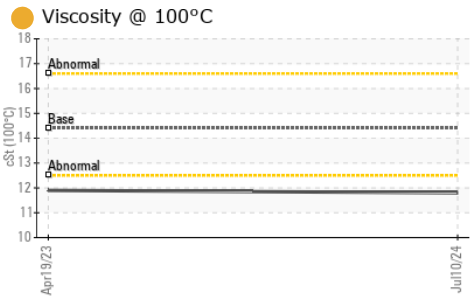
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	9	10	---
Potassium	ppm	ASTM D5185m	>20	8	<1	---
Fuel	%	ASTM D3524	>2.1	<1.0	0.8	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0	---
Nitration	Abs/cm	*ASTM D7624	>20	6.3	4.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	19.1	---
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>31	3	1	---
Boron	ppm	ASTM D5185m	151	313	344	---
Barium	ppm	ASTM D5185m	0.4	0	0	---
Molybdenum	ppm	ASTM D5185m	250	125	116	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	0	642	565	---
Calcium	ppm	ASTM D5185m	2046	1755	1596	---
Phosphorus	ppm	ASTM D5185m	1043	782	749	---
Zinc	ppm	ASTM D5185m	943	885	885	---
Sulfur	ppm	ASTM D5185m	5012	3097	3084	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	12.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.4	7.8	---
Visc @ 100°C	cSt	ASTM D445	14.4	11.8	11.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194983 **Received** : 18 Jul 2024
Lab Number : 06240153 **Tested** : 19 Jul 2024
Unique Number : 11128987 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: FuelDilution, 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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