MOB I

Dura-Check Fluid Analysis

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
JOHN DEERE 135G TH24 (S/N 1FF135GXCFE401189)
Component
Hydraulic System
Fluid
DURALENE Trans-Flo UTF (--- QTS)

RECOMMENDATION

Recommend drain oil if not already done. Reduce drain interval to 2000 hours or drain and flush and use recommended zinc free oil.

WEAR

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

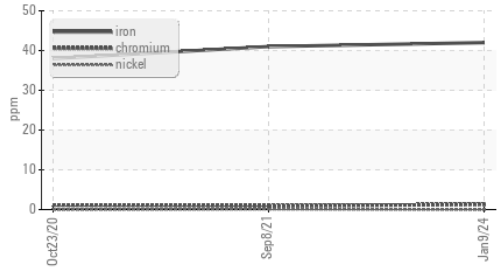
Elemental level of silicon (Si) above normal.

FLUID CONDITION

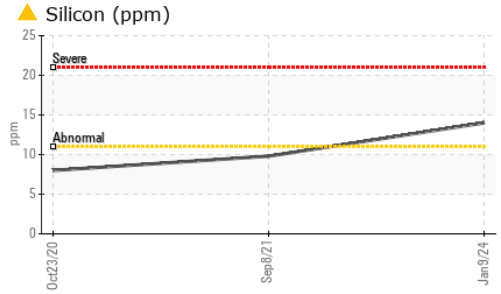
Zinc level above manufacturer's recommendations.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0033593	DC0010928	DC0007756
Sample Date		Client Info		09 Jan 2024	08 Sep 2021	23 Oct 2020
Machine Age	hrs	Client Info		0	0	5491
Oil Age	hrs	Client Info		0	0	300
Filter Age	hrs	Client Info		0	0	300
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>32	▲ 42	▲ 41	▲ 38
Chromium	ppm	ASTM D5185m	>9	1	<1	1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>9	6	4	3
Lead	ppm	ASTM D5185m	>28	2	0	<1
Copper	ppm	ASTM D5185m	>50	7	7	7
Tin	ppm	ASTM D5185m	>5	1	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>11	▲ 14	10	8
Potassium	ppm	ASTM D5185m	>20	2	8	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	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	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>21	5	4	4
Boron	ppm	ASTM D5185m		51	43	48
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		26	14	18
Calcium	ppm	ASTM D5185m		2081	1808	1652
Phosphorus	ppm	ASTM D5185m		889	769	744
Zinc	ppm	ASTM D5185m		▲ 886	▲ 730	679
Sulfur	ppm	ASTM D5185m		2385	1648	1555
Visc @ 40°C	cSt	ASTM D445		42.8	42.2	42.3

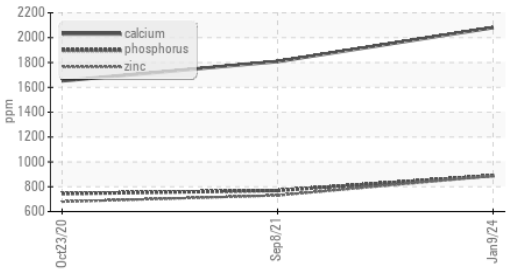
Ferrous Alloys



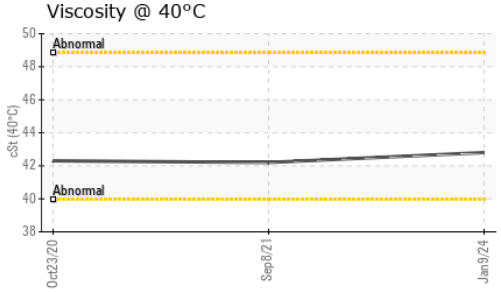
Silicon (ppm)



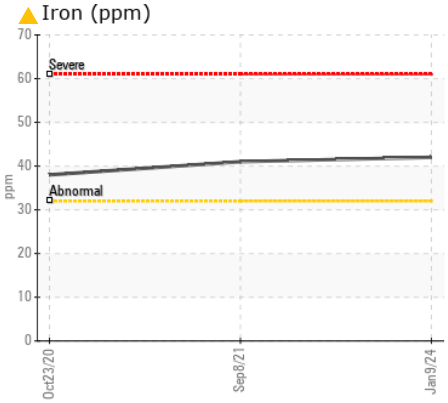
Additives



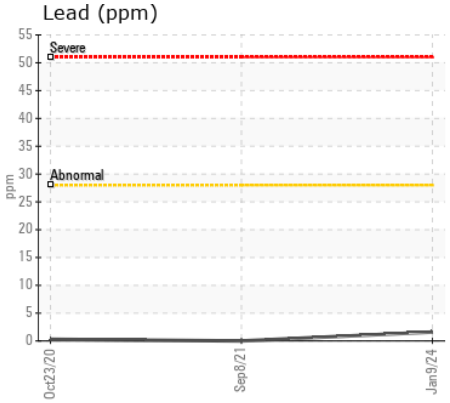
Viscosity @ 40°C



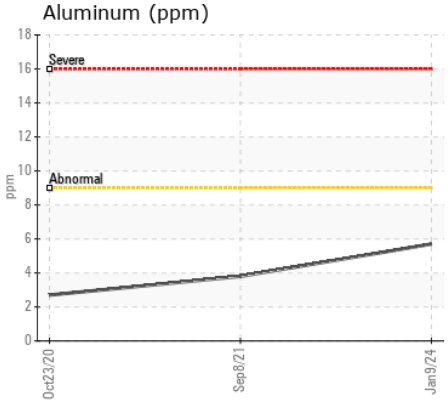
Iron (ppm)



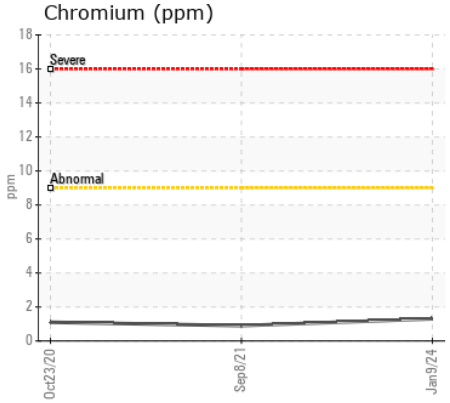
Lead (ppm)



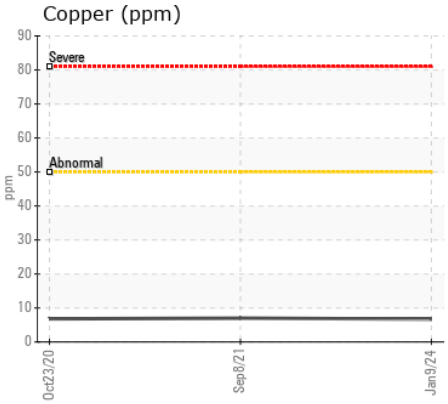
Aluminum (ppm)



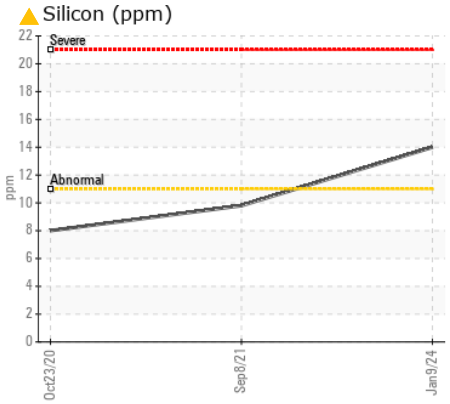
Chromium (ppm)



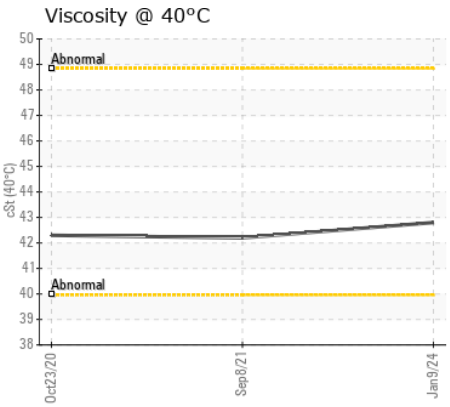
Copper (ppm)



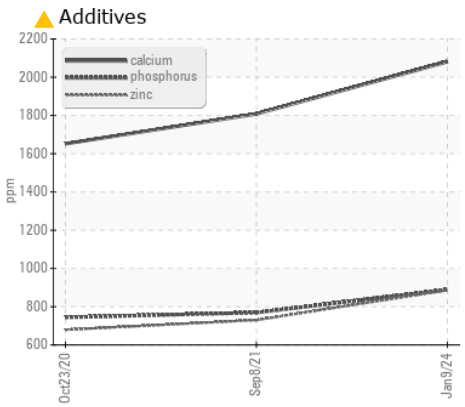
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0033593 **Recieved** : 10 Jan 2024
Lab Number : 06057556 **Diagnosed** : 12 Jan 2024
Unique Number : 10823505 **Diagnostician** : Don Baldridge
Test Package : MOB 1

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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