



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 131
 Component
Hydraulic System
 Fluid
MOBIL 10W (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0189812	JR0189763	JR0135346
Sample Date		Client Info		03 May 2024	20 Feb 2024	13 Nov 2023
Machine Age	hrs	Client Info		7000	6526	6007
Oil Age	hrs	Client Info		3000	1500	2000
Filter Age	hrs	Client Info		3000	1500	2000
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		14	19	15
Iron	ppm	ASTM D5185m	>20	6	11	9
Chromium	ppm	ASTM D5185m	>10	5	4	4
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	2	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	0	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

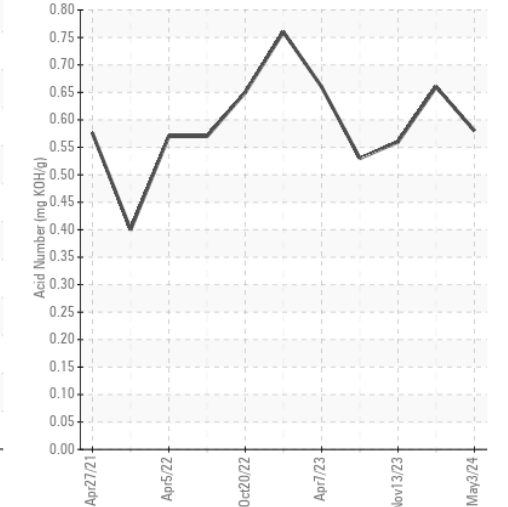
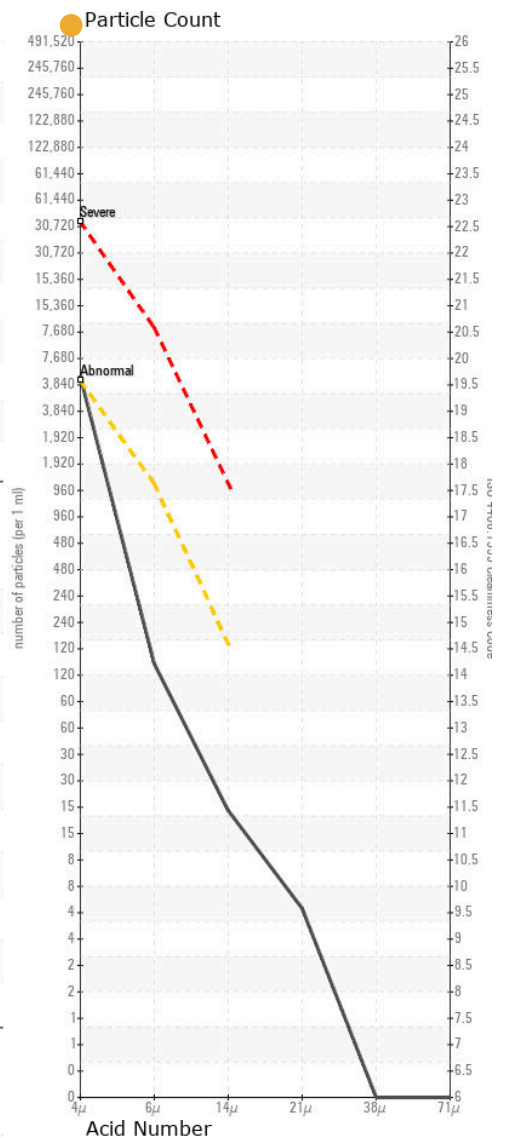
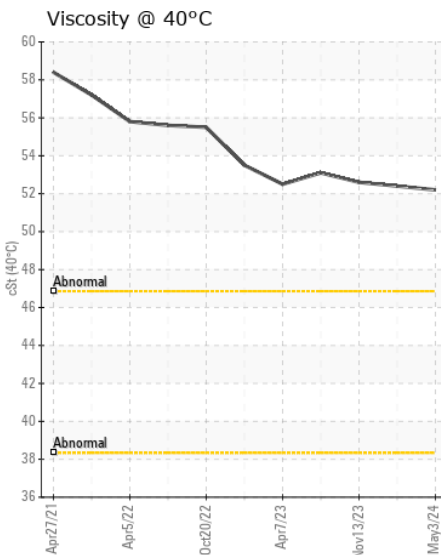
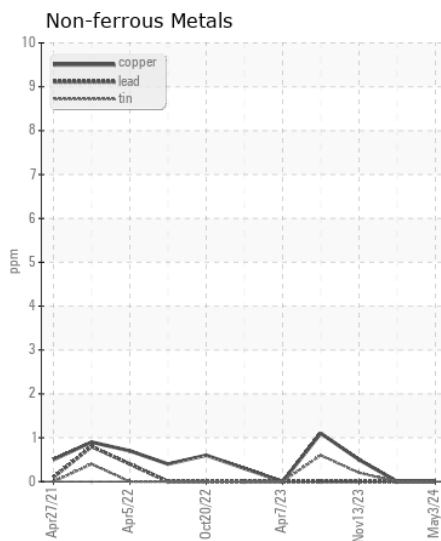
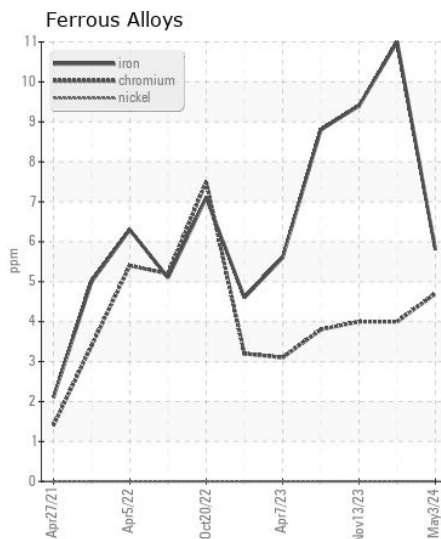
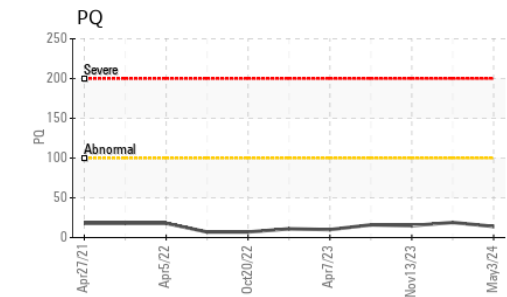
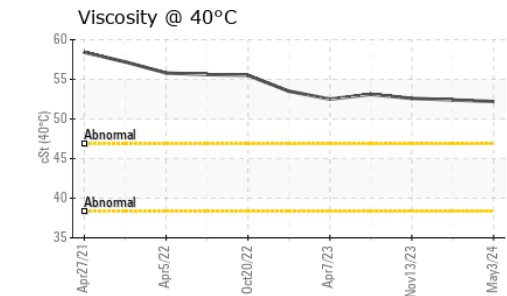
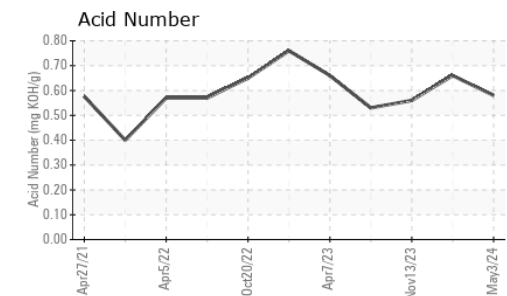
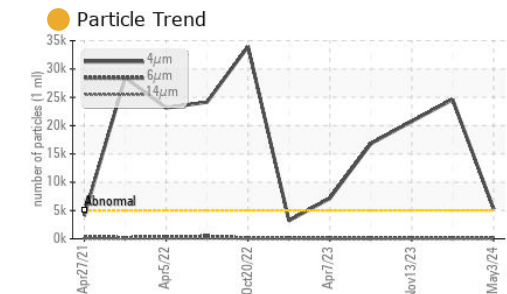
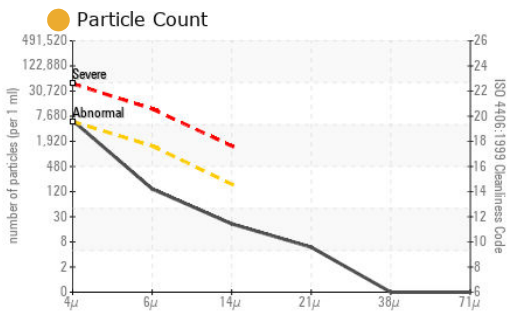
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>20	5	9	10
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	5287	▲ 24584	▲ 20745
Particles >6µm		ASTM D7647	>1300	123	127	125
Particles >14µm		ASTM D7647	>160	18	14	10
Particles >21µm		ASTM D7647	>40	5	5	2
Particles >38µm		ASTM D7647	>10	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/14/11	▲ 22/14/11	▲ 22/14/10
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oils additive package is suitable for further service.

Sodium	ppm	ASTM D5185m		4	3	3
Boron	ppm	ASTM D5185m		67	69	74
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	3
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		47	49	35
Calcium	ppm	ASTM D5185m		2350	2394	2092
Phosphorus	ppm	ASTM D5185m		974	977	896
Zinc	ppm	ASTM D5185m		1169	1185	1122
Sulfur	ppm	ASTM D5185m		6272	6400	5078
Acid Number (AN)	mg KOH/g	ASTM D8045		0.58	0.66	0.56
Visc @ 40°C	cSt	ASTM D445		52.2	52.4	52.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0189812 **Received** : 03 Jun 2024
Lab Number : 06197527 **Tested** : 04 Jun 2024
Unique Number : 11059650 **Diagnosed** : 04 Jun 2024 - Don Baldrige
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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