



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXJMF611693
 Component
Pump Drive
 Fluid
SAE 15W40 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil 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		JR0205517	JR0178997	JR0155289
Sample Date		Client Info		16 Apr 2024	28 Jul 2023	31 Jan 2023
Machine Age	hrs	Client Info		4105	2963	2417
Oil Age	hrs	Client Info		1142	1000	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		36	11	45
Iron	ppm	ASTM D5185m	>151	▲ 240	5	107
Chromium	ppm	ASTM D5185m	>11	4	0	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		4	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	● 80	2	● 19
Lead	ppm	ASTM D5185m	>51	<1	<1	0
Copper	ppm	ASTM D5185m	>51	3	<1	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

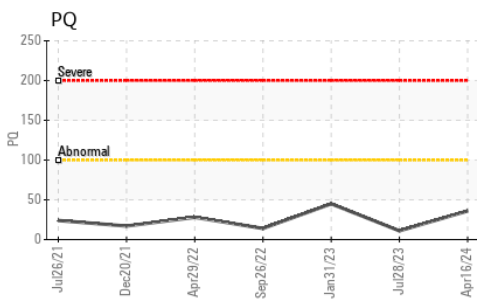
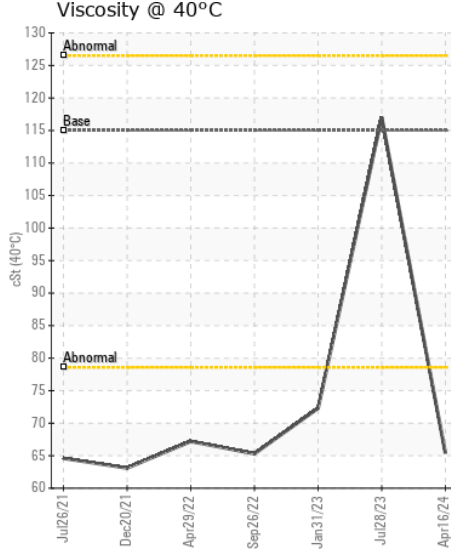
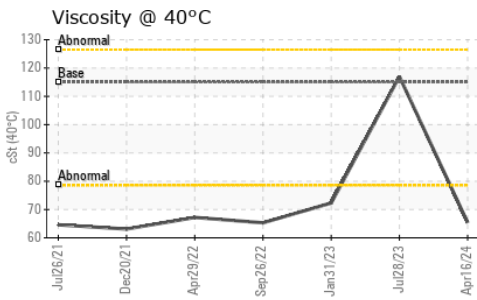
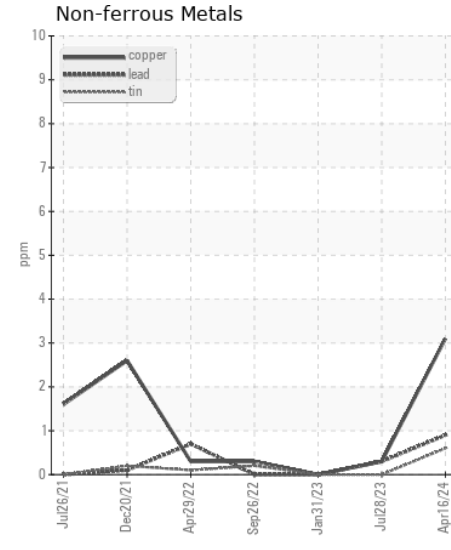
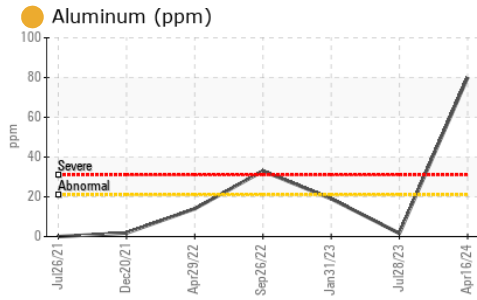
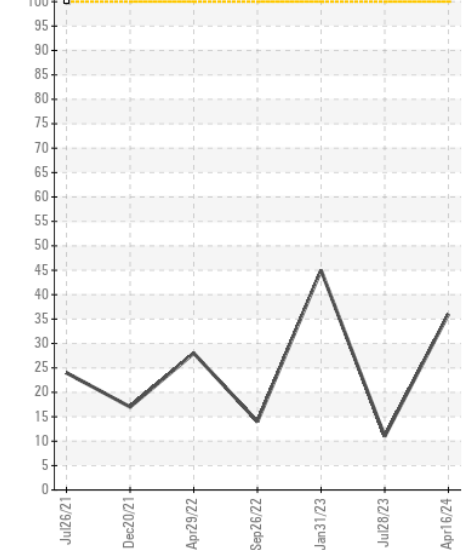
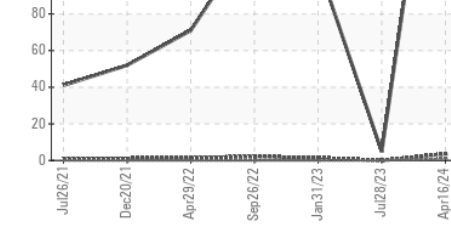
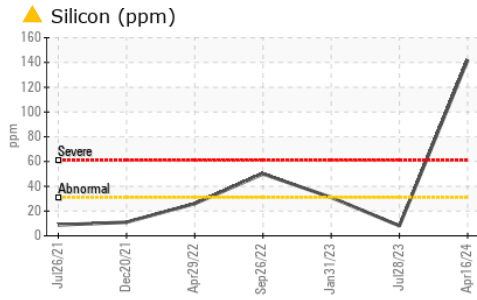
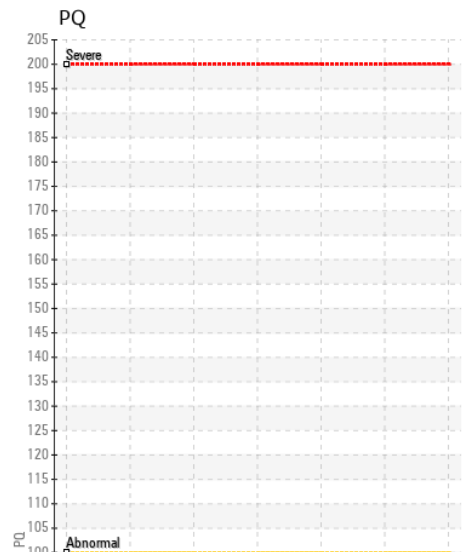
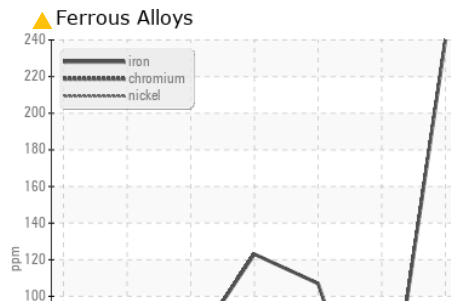
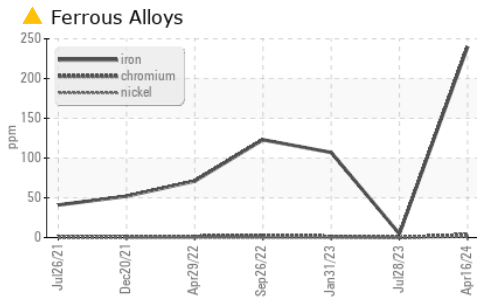
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>31	▲ 142	8	▲ 31
Potassium	ppm	ASTM D5185m	>20	11	3	3
Water		WC Method	>0.1	NEG	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>57	6	2	<1
Boron	ppm	ASTM D5185m		280	279	300
Barium	ppm	ASTM D5185m		3	0	0
Molybdenum	ppm	ASTM D5185m		227	233	245
Manganese	ppm	ASTM D5185m		4	<1	1
Magnesium	ppm	ASTM D5185m		673	789	738
Calcium	ppm	ASTM D5185m		1385	1341	1468
Phosphorus	ppm	ASTM D5185m		956	857	935
Zinc	ppm	ASTM D5185m		1017	1043	1077
Sulfur	ppm	ASTM D5185m		3789	3830	3084
Visc @ 40°C	cSt	ASTM D445	115	65.4	117	72.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205517 **Received** : 18 Apr 2024
Lab Number : 06153425 **Tested** : 19 Apr 2024
Unique Number : 10983503 **Diagnosed** : 22 Apr 2024 - Angela Borella
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)

CK CONTRACTING
 124-1 WOODING PL
 KINGS MOUNTAIN, NC
 US 28086
 Contact: TAM WRIGHT
 twright@ckcdllc.com
 T: (704)730-9948
 F: (704)730-9975