



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 750K 81220 (S/N 1T0750KXVJF335593)
Component
Left Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0035549	LEC0025527	LEC0014663
Sample Date		Client Info		04 Jan 2024	28 Oct 2021	27 Jul 2020
Machine Age	hrs	Client Info		1513	894	437
Oil Age	hrs	Client Info		1513	0	437
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	216	97	90
Iron	ppm	ASTM D5185m	>750	487	323	108
Chromium	ppm	ASTM D5185m	>9	3	2	1
Nickel	ppm	ASTM D5185m	>10	4	3	<1
Titanium	ppm	ASTM D5185m		2	1	1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	▲ 25	25	7
Lead	ppm	ASTM D5185m	>15	<1	2	0
Copper	ppm	ASTM D5185m	>40	2	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

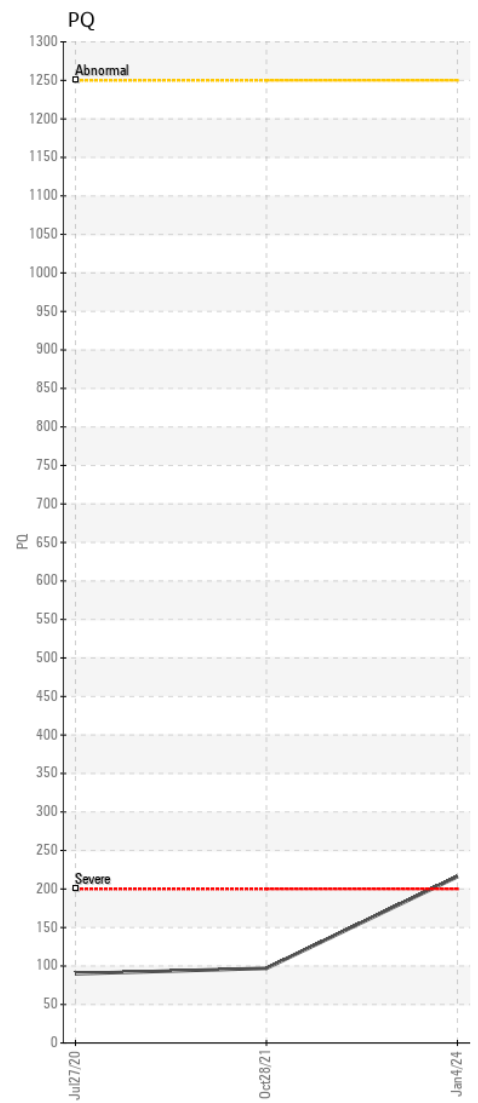
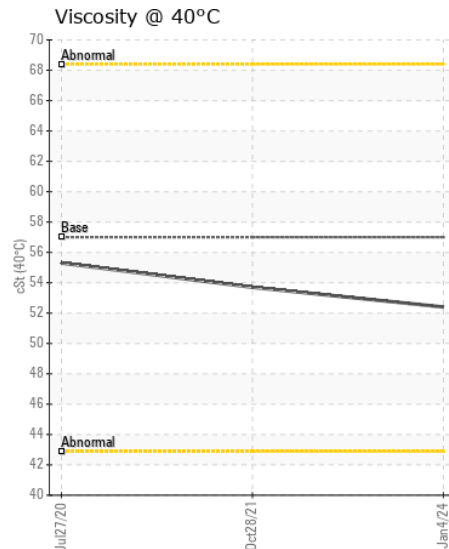
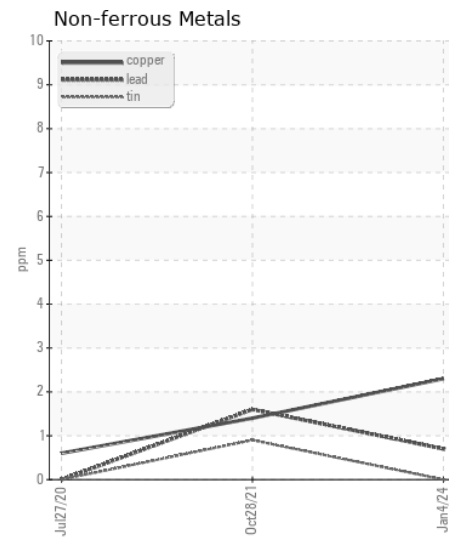
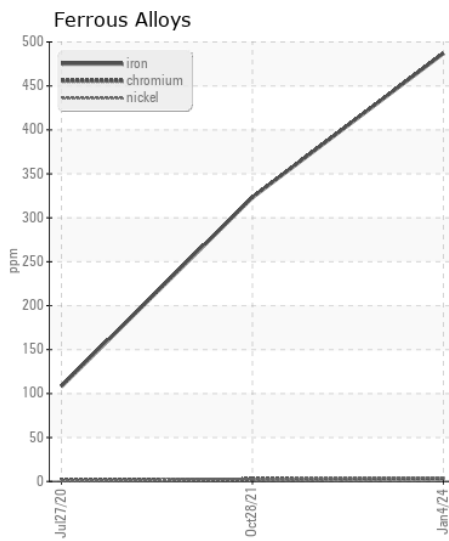
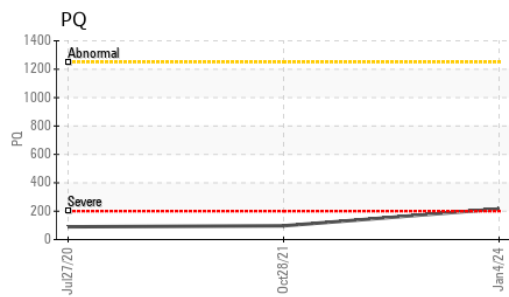
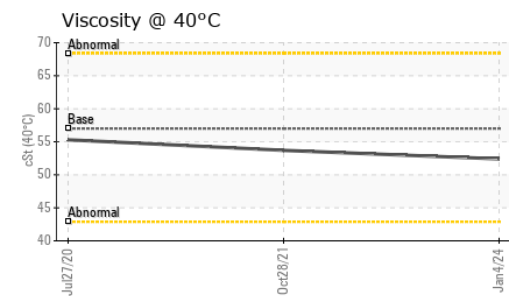
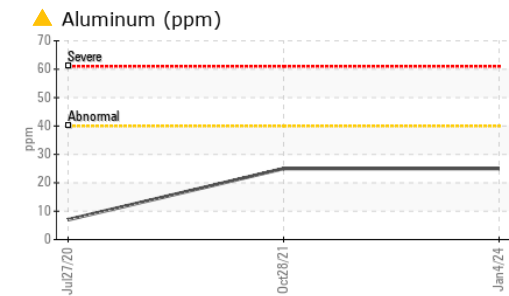
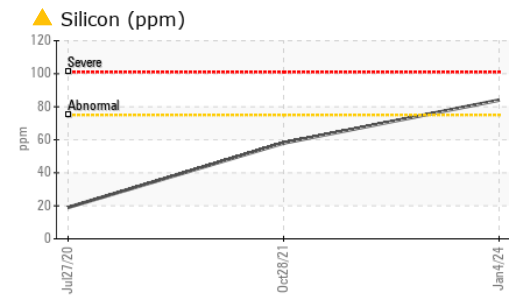
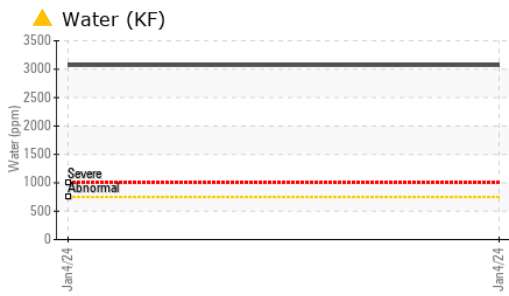
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	▲ 84	58	19
Potassium	ppm	ASTM D5185m	>20	14	10	13
Water	%	ASTM D6304	>0.075	▲ 0.307	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 3070	---	---
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	▲ 0.2%	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	4	3
Boron	ppm	ASTM D5185m	6	1	6	2
Barium	ppm	ASTM D5185m	0	12	5	4
Molybdenum	ppm	ASTM D5185m	0	1	1	<1
Manganese	ppm	ASTM D5185m		6	4	2
Magnesium	ppm	ASTM D5185m	145	111	106	111
Calcium	ppm	ASTM D5185m	3570	3632	3376	3613
Phosphorus	ppm	ASTM D5185m	1290	977	958	968
Zinc	ppm	ASTM D5185m	1640	1266	1362	1200
Sulfur	ppm	ASTM D5185m		3989	3395	3129
Visc @ 40°C	cSt	ASTM D445	57.0	52.4	53.7	55.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0035549 **Received** : 08 Jan 2024
Lab Number : 06054313 **Diagnosed** : 10 Jan 2024
Unique Number : 10820262 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: KF, 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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