



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9154]

Machine Id

HITACHI 210LC-6 1FFDC571LJF340529

Component

Pump Drive

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9154)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224157	JR0183126	JR0141105
Sample Date		Client Info		10 Jul 2024	30 Jan 2024	01 Aug 2023
Machine Age	hrs	Client Info		4451	4001	2943
Oil Age	hrs	Client Info		450	3439	943
Filter Age	hrs	Client Info		0	0	943
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	N/A	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		18	16	18
Iron	ppm	ASTM D5185m	>500	25	70	56
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	5	4
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

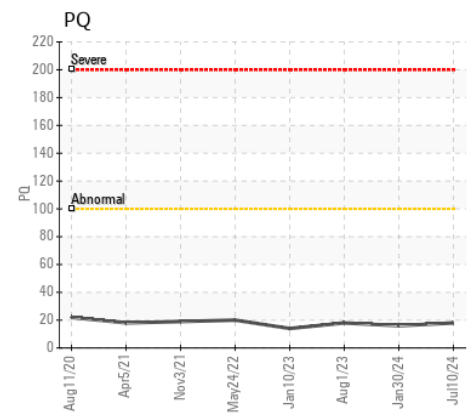
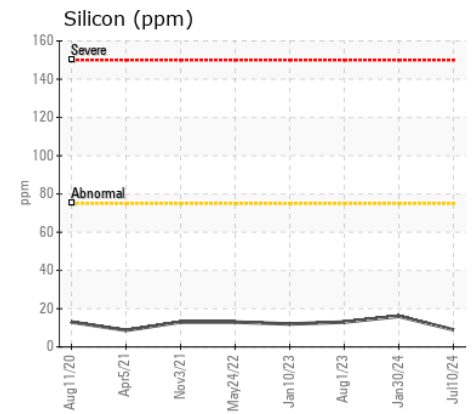
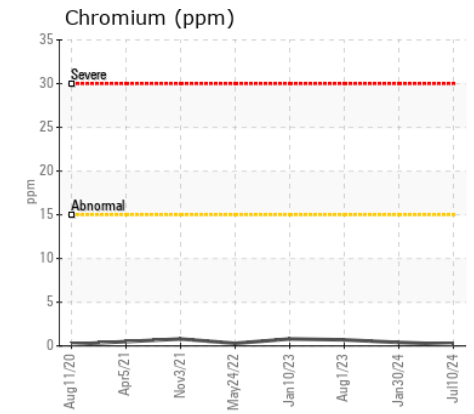
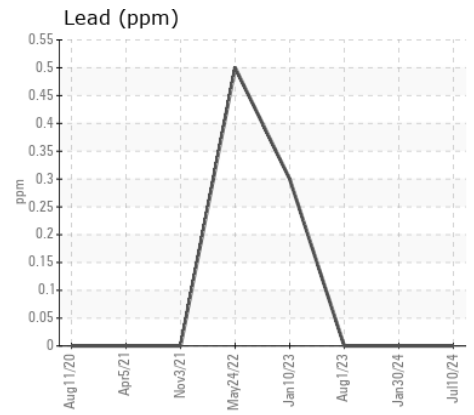
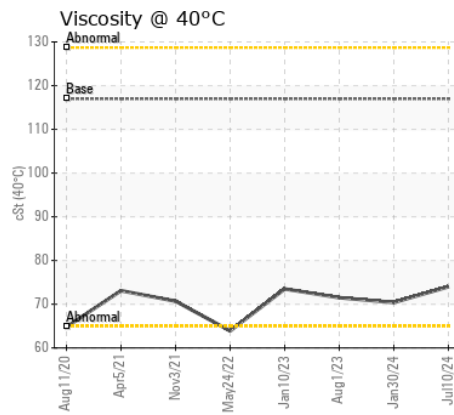
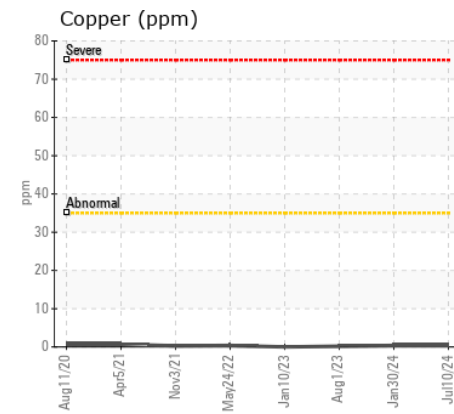
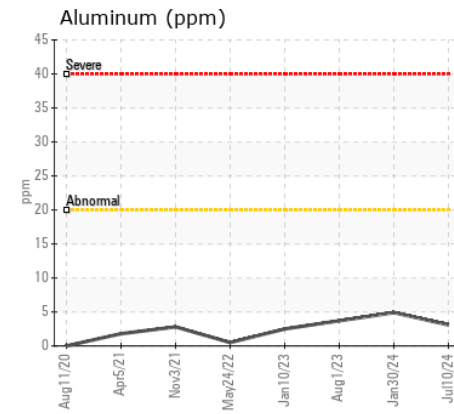
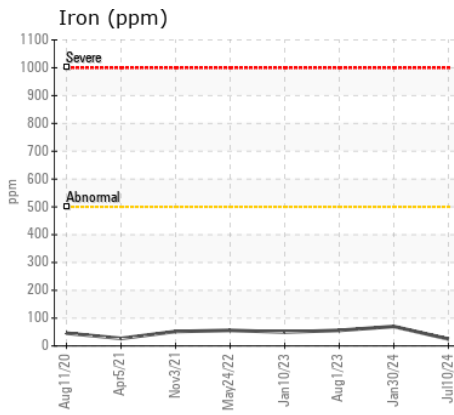
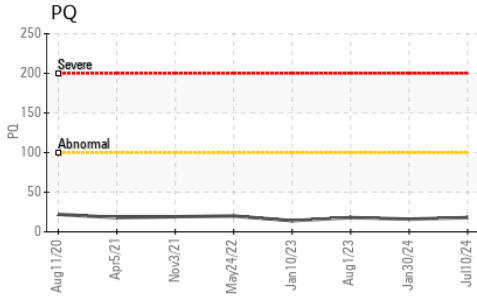
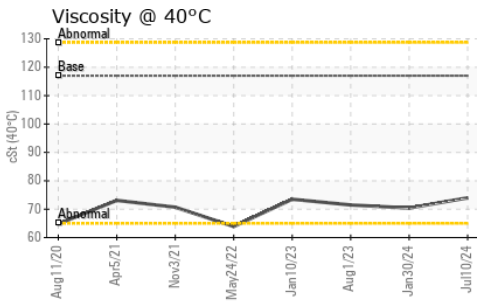
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	9	16	13
Potassium	ppm	ASTM D5185m	>20	2	3	2
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m		333	307	322
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		263	276	280
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		794	828	875
Calcium	ppm	ASTM D5185m		1435	1407	1528
Phosphorus	ppm	ASTM D5185m		930	938	1002
Zinc	ppm	ASTM D5185m		1084	1110	1150
Sulfur	ppm	ASTM D5185m		2964	3647	3721
Visc @ 40°C	cSt	ASTM D445	117	74.0	70.4	71.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224157 **Received** : 11 Jul 2024
Lab Number : 06233448 **Tested** : 12 Jul 2024
Unique Number : 11116941 **Diagnosed** : 13 Jul 2024 - Don Baldridge
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
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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)