



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W8423]
 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: W8423)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0183126	JR0141105	JR0140603
Sample Date		Client Info		30 Jan 2024	01 Aug 2023	10 Jan 2023
Machine Age	hrs	Client Info		4001	2943	2943
Oil Age	hrs	Client Info		3439	943	2435
Filter Age	hrs	Client Info		0	943	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	18	14
Iron	ppm	ASTM D5185m	>500	70	56	50
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		0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	4	2
Lead	ppm	ASTM D5185m		0	0	<1
Copper	ppm	ASTM D5185m	>35	<1	<1	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

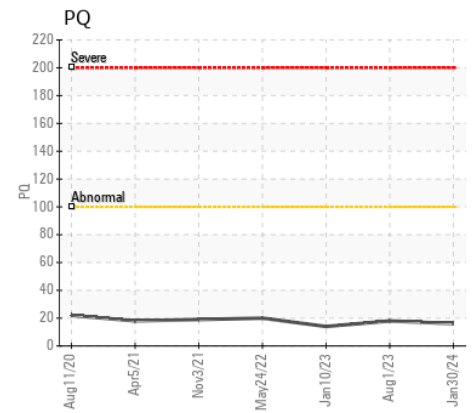
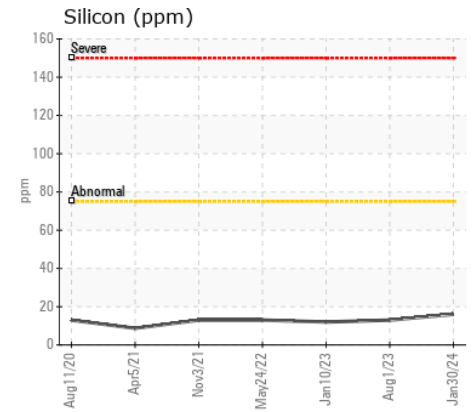
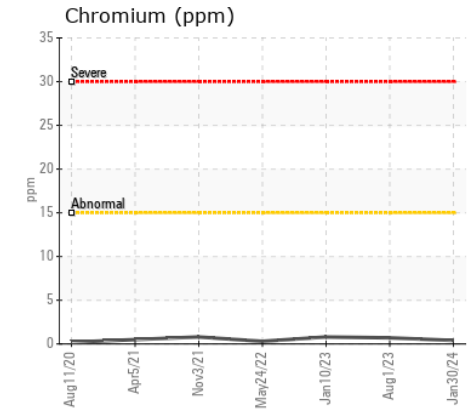
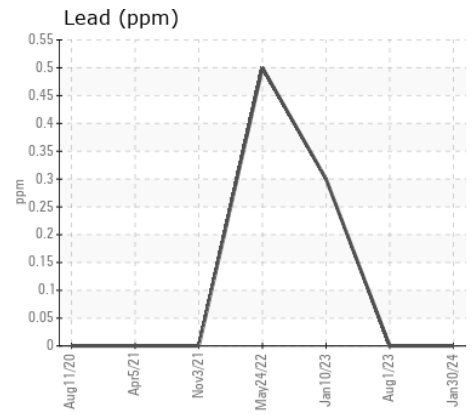
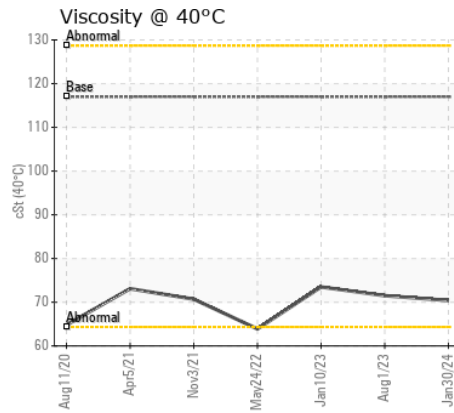
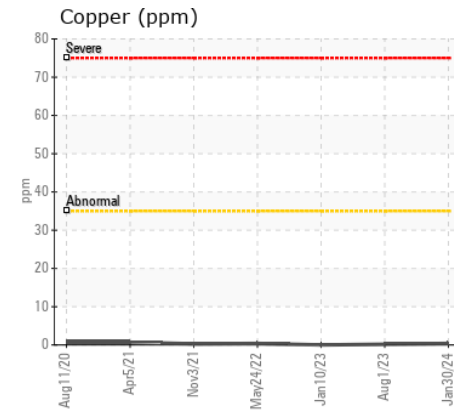
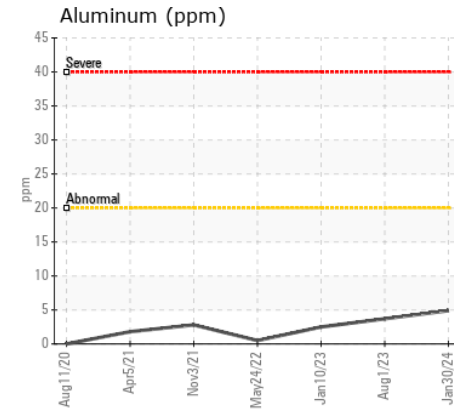
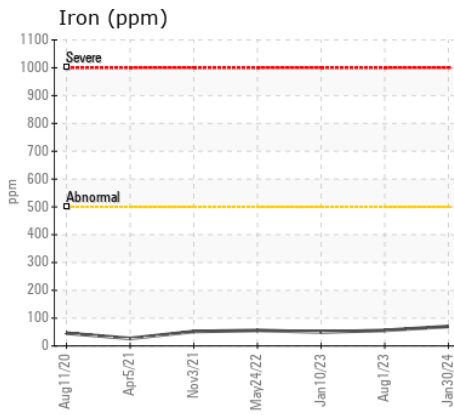
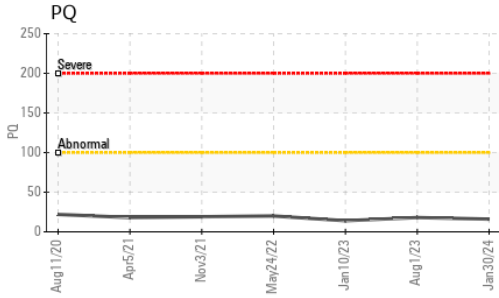
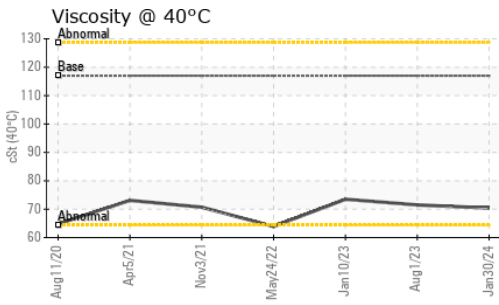
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	13	12
Potassium	ppm	ASTM D5185m	>20	3	2	0
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	0	2
Boron	ppm	ASTM D5185m		307	322	316
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		276	280	269
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		828	875	804
Calcium	ppm	ASTM D5185m		1407	1528	1592
Phosphorus	ppm	ASTM D5185m		938	1002	918
Zinc	ppm	ASTM D5185m		1110	1150	998
Sulfur	ppm	ASTM D5185m		3647	3721	3669
Visc @ 40°C	cSt	ASTM D445	117	70.4	71.5	73.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0183126 **Received** : 01 Feb 2024
Lab Number : 06077165 **Diagnosed** : 03 Feb 2024
Unique Number : 10859256 **Diagnostician** : Don Baldrige
Test Package : MOBCE (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)

JRE - HOPE MILLS/FAYETTEVILLE
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 HOPE MILLS, NC
 US 28348

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