



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
JOHN DEERE 2231604
 Component
Hydraulic System
 Fluid
SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

WEAR

All component wear rates are normal.

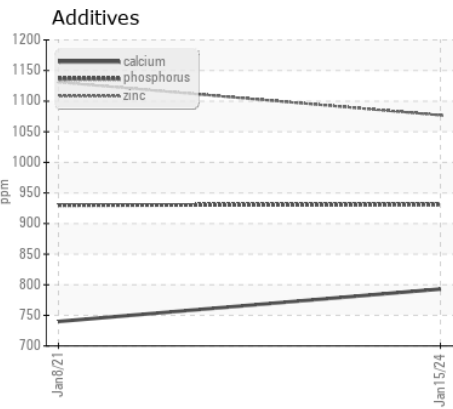
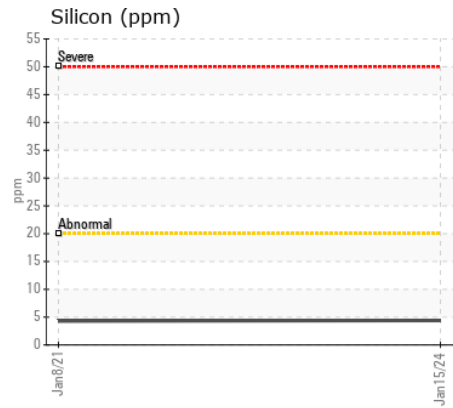
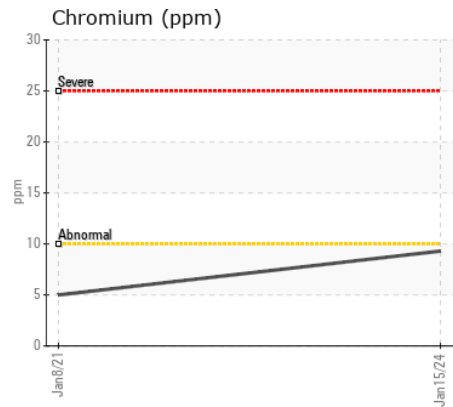
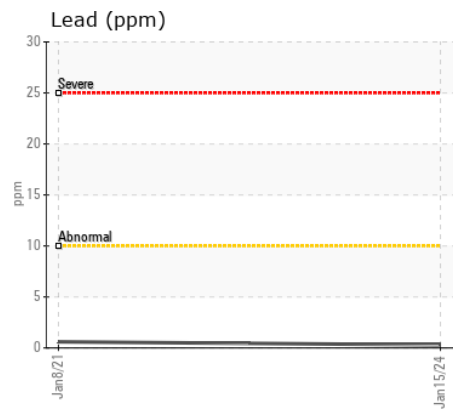
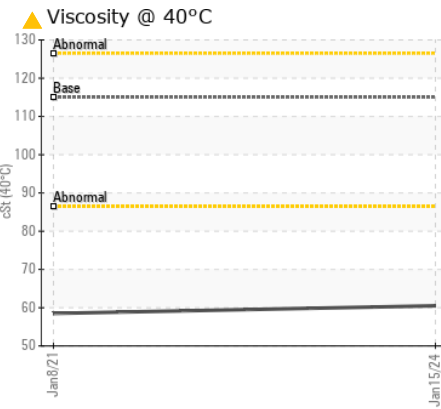
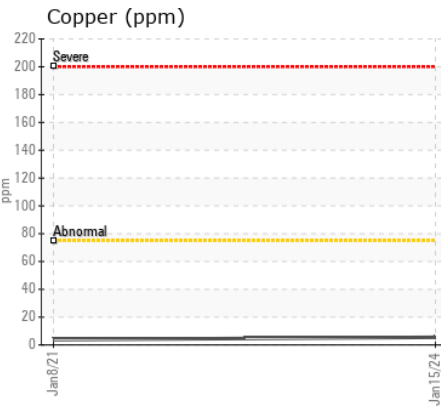
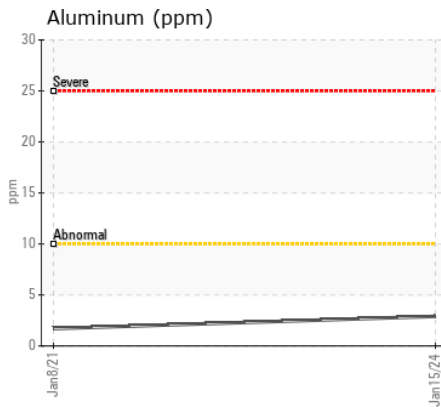
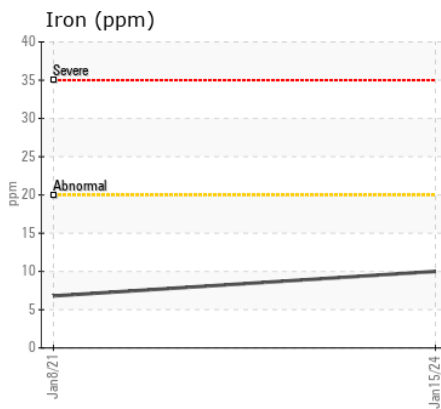
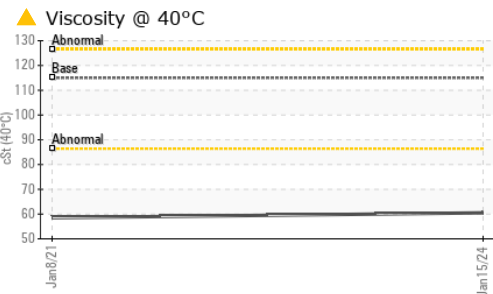
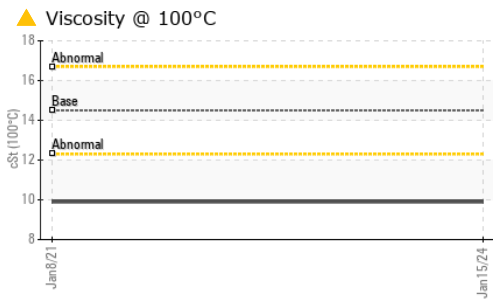
CONTAMINATION

There is no indication of any contamination in the component(unconfirmed).

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 5W30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072679	PC0042788	---
Sample Date		Client Info		15 Jan 2024	08 Jan 2021	---
Machine Age	hrs	Client Info		9035	5114	---
Oil Age	hrs	Client Info		1500	1410	---
Filter Age	hrs	Client Info		1500	1410	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
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Iron	ppm	ASTM D5185(m)	>20	10	7	---
Chromium	ppm	ASTM D5185(m)	>10	9	5	---
Nickel	ppm	ASTM D5185(m)	>10	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		<1	1	---
Aluminum	ppm	ASTM D5185(m)	>10	3	2	---
Lead	ppm	ASTM D5185(m)	>10	<1	<1	---
Copper	ppm	ASTM D5185(m)	>75	6	4	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
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Silicon	ppm	ASTM D5185(m)	>20	4	4	---
Potassium	ppm	ASTM D5185(m)	>20	2	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---
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Sodium	ppm	ASTM D5185(m)	>57	8	4	---
Boron	ppm	ASTM D5185(m)		2	3	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		43	39	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		696	647	---
Calcium	ppm	ASTM D5185(m)		793	740	---
Phosphorus	ppm	ASTM D5185(m)		931	930	---
Zinc	ppm	ASTM D5185(m)		1077	1131	---
Sulfur	ppm	ASTM D5185(m)		2510	2464	---
Visc @ 40°C	cSt	ASTM D7279(m)	115	▲ 60.5	▲ 58.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	▲ 9.9	▲ 9.9	---
Viscosity Index (VI)	Scale	ASTM D2270*	128	149	155	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072679 **Received** : 18 Jan 2024
Lab Number : 02609716 **Diagnosed** : 18 Jan 2024
Unique Number : 5710802 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, VI)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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