



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 130G 2301902
Component
Right Final Drive
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072476	PC0059324	---
Sample Date		Client Info		12 Feb 2024	03 Mar 2023	---
Machine Age	hrs	Client Info		3343	2775	---
Oil Age	hrs	Client Info		600	600	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>750	31	32	---
Chromium	ppm	ASTM D5185(m)	>9	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>40	1	<1	---
Lead	ppm	ASTM D5185(m)	>15	1	0	---
Copper	ppm	ASTM D5185(m)	>40	6	0	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

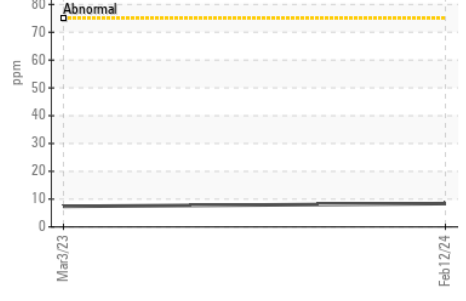
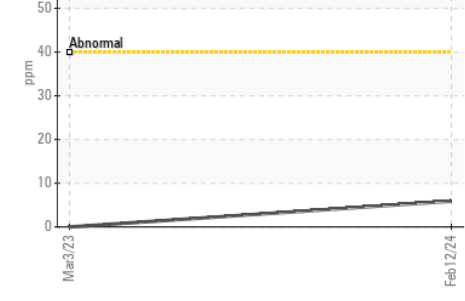
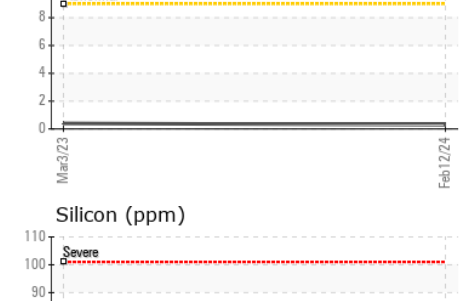
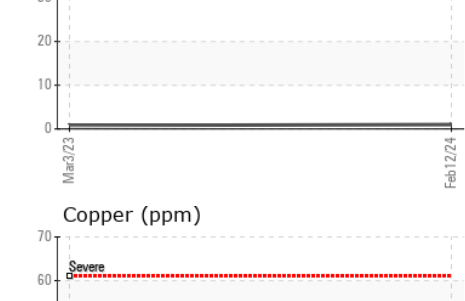
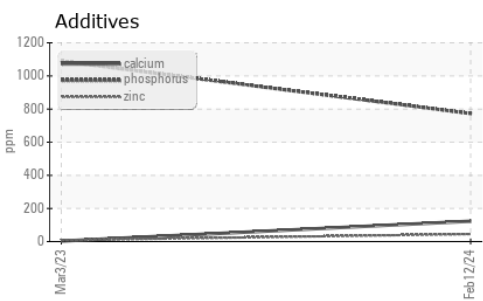
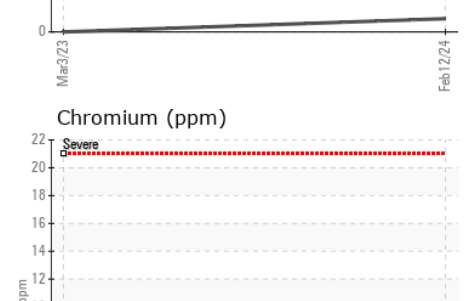
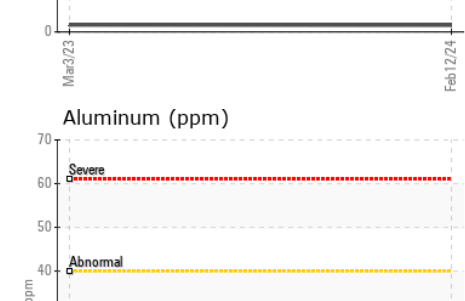
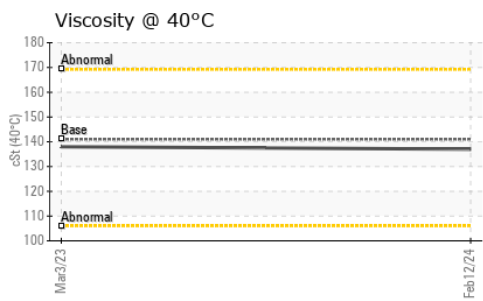
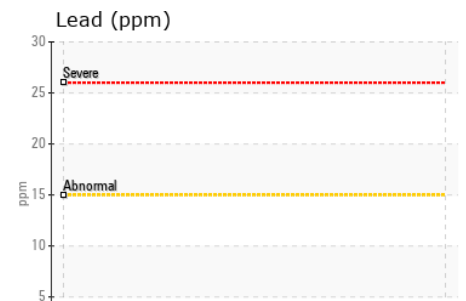
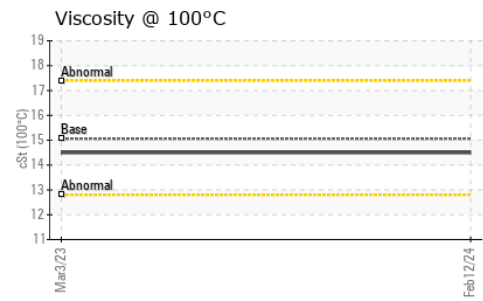
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	8	7	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.075	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*	>0.075	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>51	2	<1	---
Boron	ppm	ASTM D5185(m)	243	179	245	---
Barium	ppm	ASTM D5185(m)	1	0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	2	7	1	---
Calcium	ppm	ASTM D5185(m)	6	123	3	---
Phosphorus	ppm	ASTM D5185(m)	987	773	1089	---
Zinc	ppm	ASTM D5185(m)	1	45	8	---
Sulfur	ppm	ASTM D5185(m)	21530	13900	18110	---
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	137	138	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	14.5	14.5	---
Viscosity Index (VI)	Scale	ASTM D2270*	108	104	103	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072476 **Received** : 28 Feb 2024
Lab Number : 02618744 **Tested** : 28 Feb 2024
Unique Number : 5735854 **Diagnosed** : 28 Feb 2024 - Wes Davis
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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