



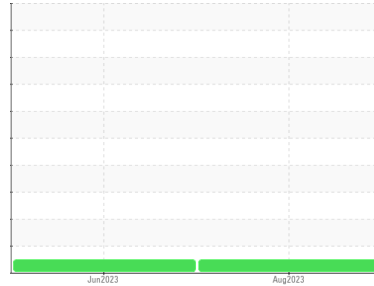
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
JOHN DEERE 644K LDR009
 Component
Transmission (Manual)
 Fluid
PETRO CANADA DURATRAN (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0835154	WC0820182	---
Sample Date	Client Info		20 Aug 2023	10 Jun 2023	---
Machine Age	hrs	Client Info	10461	9800	---
Oil Age	hrs	Client Info	0	1000	---
Oil Changed	Client Info		Not Changed	Changed	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>200	26	40	---
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>7	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	2	3	---
Lead	ppm	ASTM D5185(m)	>45	<1	<1	---
Copper	ppm	ASTM D5185(m)	>225	7	13	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	110	15	27	---
Barium	ppm	ASTM D5185(m)	0.0	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<1	<1	---
Manganese	ppm	ASTM D5185(m)	1	<1	<1	---
Magnesium	ppm	ASTM D5185(m)	13	85	80	---
Calcium	ppm	ASTM D5185(m)	3610	3324	3194	---
Phosphorus	ppm	ASTM D5185(m)	1192	1098	1136	---
Zinc	ppm	ASTM D5185(m)	1455	1246	1304	---
Sulfur	ppm	ASTM D5185(m)	2641	3374	3113	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

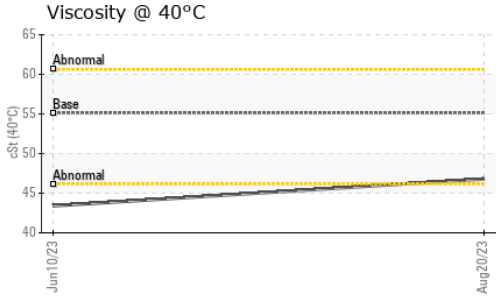
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>125	13	18	---
Sodium	ppm	ASTM D5185(m)		7	14	---
Potassium	ppm	ASTM D5185(m)	>20	1	3	---

VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
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	---
Free Water	scalar	Visual*		NEG	NEG	---



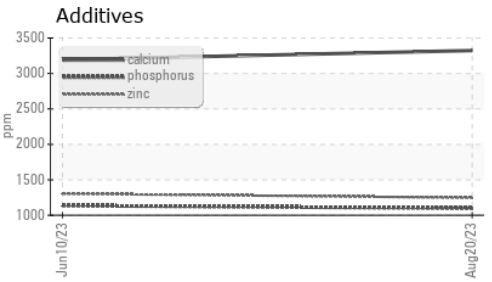
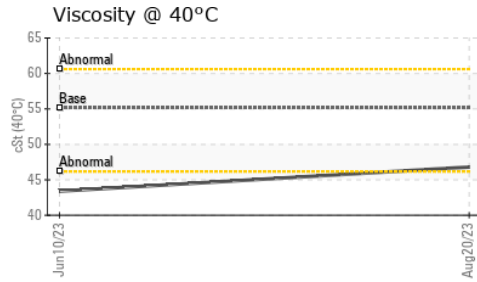
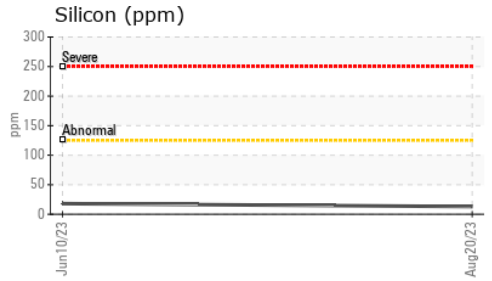
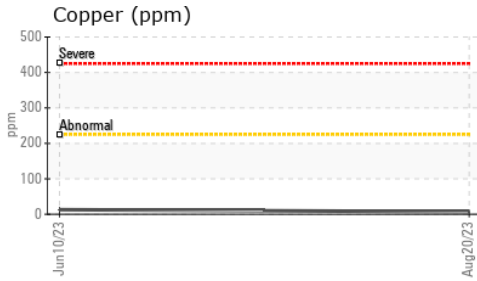
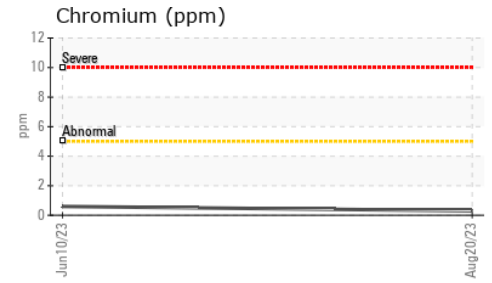
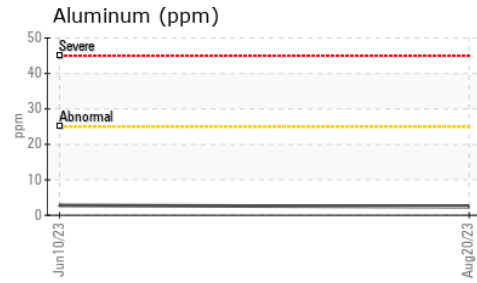
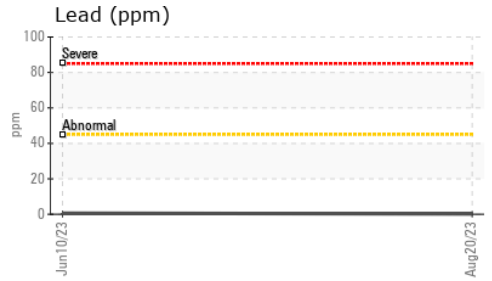
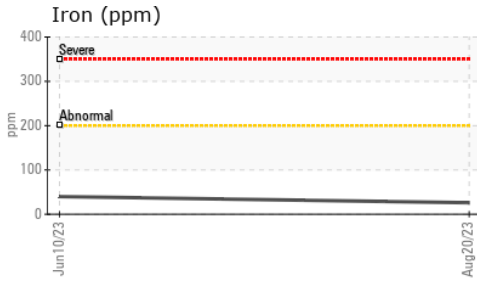
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	46.8	43.4	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0835154 **Received** : 24 Aug 2023
Lab Number : 02578152 **Diagnosed** : 24 Aug 2023
Unique Number : 5631212 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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.