



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Machine Id  
**JOHN DEERE DUCK & GOOSE**  
 Component  
**Gasoline Engine**  
 Fluid  
**{not provided} (3 LTR)**

## RECOMMENDATION

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

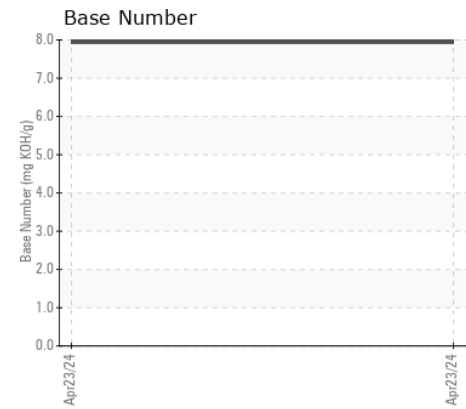
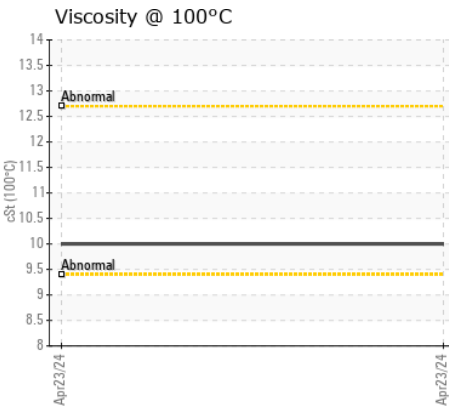
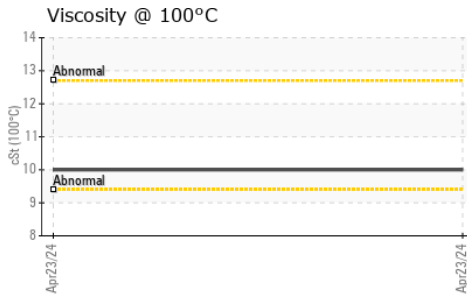
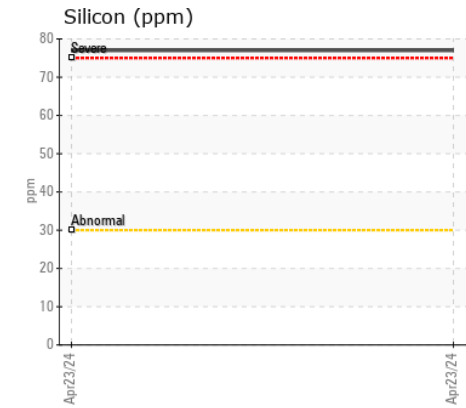
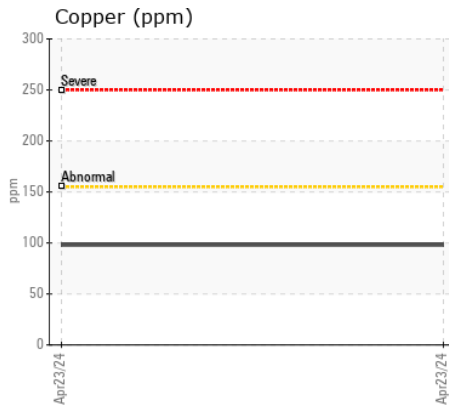
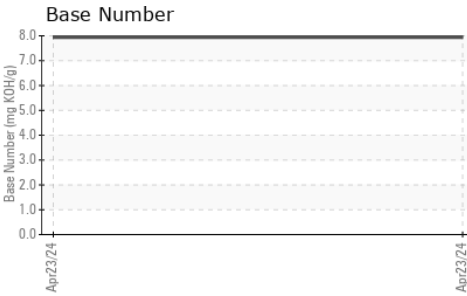
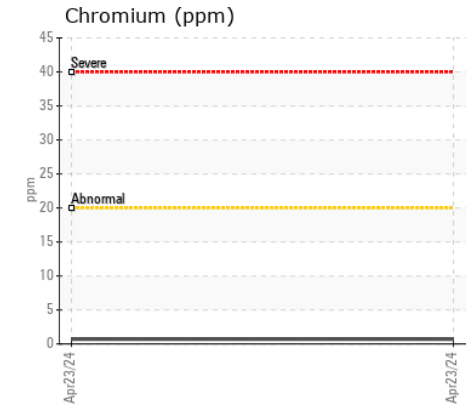
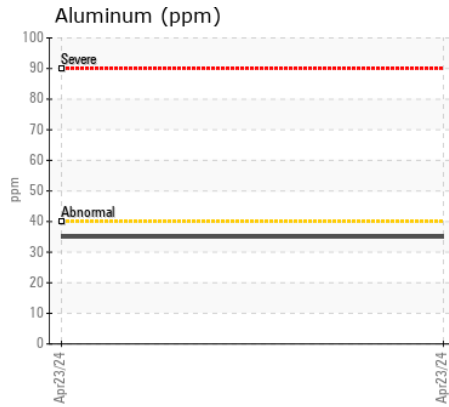
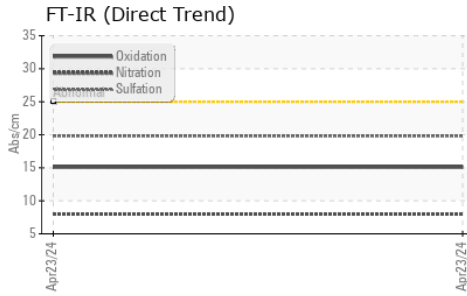
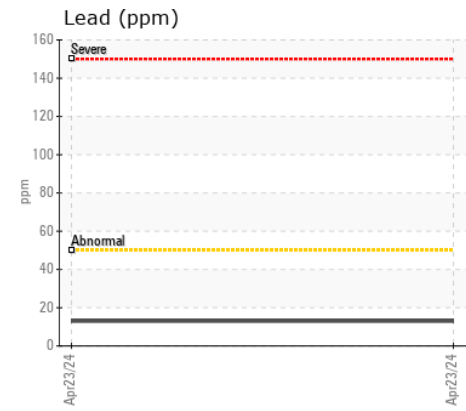
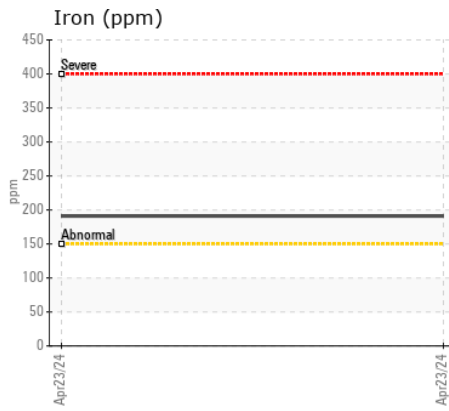
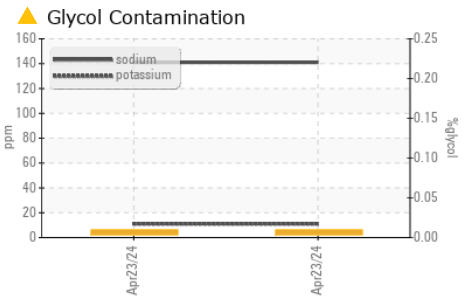
## CONTAMINATION

Test for glycol is positive. There is a light concentration of glycol present in the oil.

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02632506	---	---
Sample Date		Client Info		23 Apr 2024	---	---
Machine Age	hrs	Client Info		294	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>150	191	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	1	---	---
Titanium	ppm	ASTM D5185(m)		17	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	35	---	---
Lead	ppm	ASTM D5185(m)	>50	13	---	---
Copper	ppm	ASTM D5185(m)	>155	98	---	---
Tin	ppm	ASTM D5185(m)	>10	1	---	---
Vanadium	ppm	ASTM D5185(m)		<1	---	---
Silicon	ppm	ASTM D5185(m)	>30	77	---	---
Potassium	ppm	ASTM D5185(m)	>20	▲ 11	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol	%	ASTM D7922*		▲ 0.01	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	8.0	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)	>400	● 141	---	---
Boron	ppm	ASTM D5185(m)		74	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		67	---	---
Manganese	ppm	ASTM D5185(m)		3	---	---
Magnesium	ppm	ASTM D5185(m)		274	---	---
Calcium	ppm	ASTM D5185(m)		1236	---	---
Phosphorus	ppm	ASTM D5185(m)		643	---	---
Zinc	ppm	ASTM D5185(m)		754	---	---
Sulfur	ppm	ASTM D5185(m)		1923	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		7.94	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.0	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : TR02632506 **Received** : 01 May 2024  
**Lab Number** : 02632506 **Tested** : 02 May 2024  
**Unique Number** : 5773659 **Diagnosed** : 02 May 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

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To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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)