



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

Doyle  
Machine Id

JOHN DEERE John Deere feed generator (S/N PE6068N015799)

Component

Diesel Engine

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 10W30 (30 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Break in oil from factory )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0894284	---	---
Sample Date		Client Info		07 Feb 2024	---	---
Machine Age	hrs	Client Info		85	---	---
Oil Age	hrs	Client Info		85	---	---
Filter Age	hrs	Client Info		85	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>51	8	---	---
Chromium	ppm	ASTM D5185(m)	>11	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>31	5	---	---
Lead	ppm	ASTM D5185(m)	>26	1	---	---
Copper	ppm	ASTM D5185(m)	>26	4	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

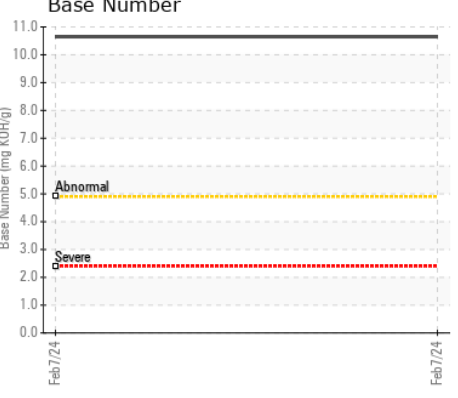
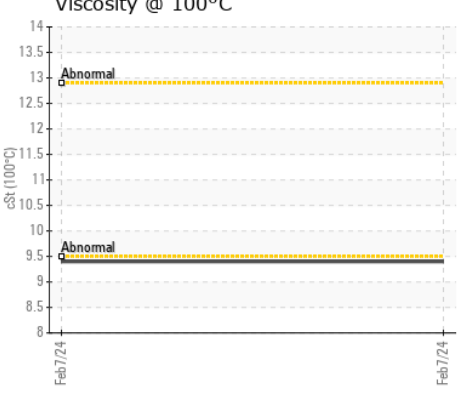
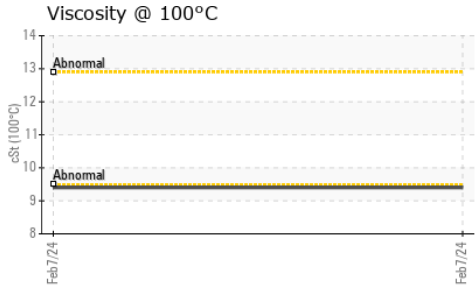
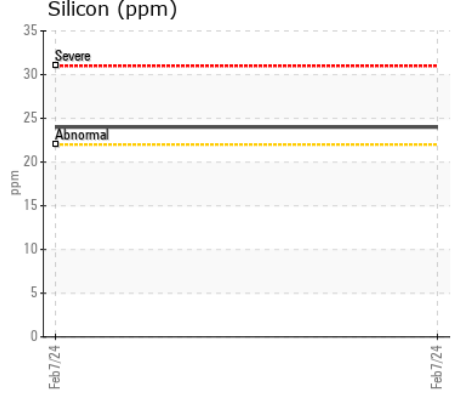
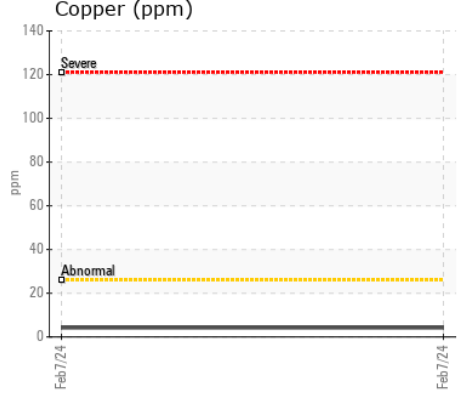
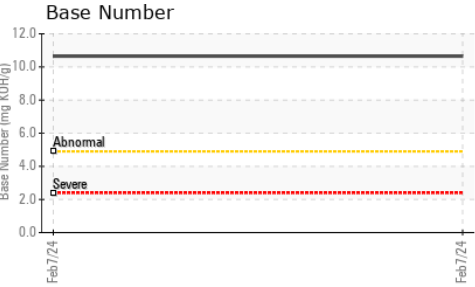
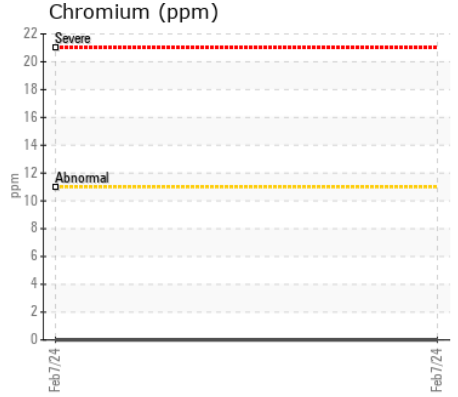
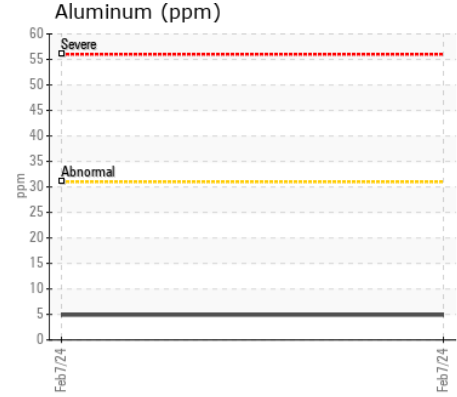
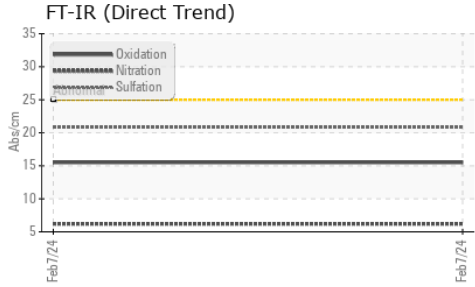
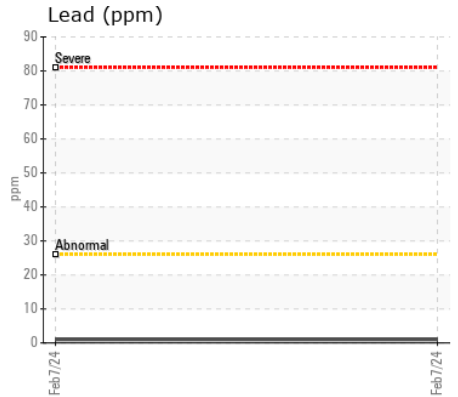
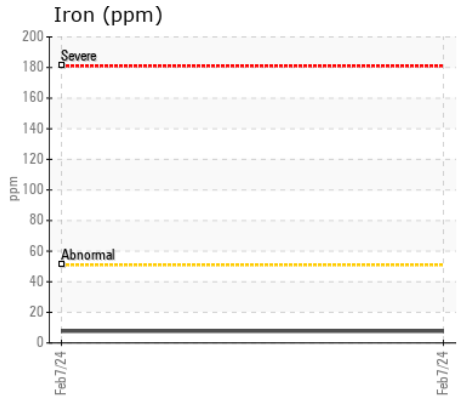
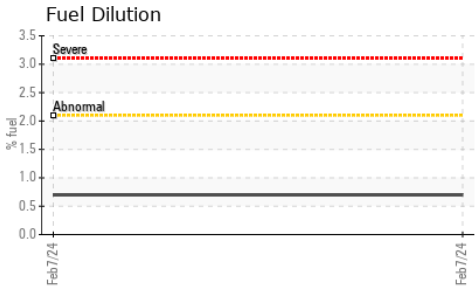
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	24	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel	%	ASTM D7593*	>2.1	0.7	---	---
Water		WC Method	>0.21	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	6.2	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8	---	---
Emulsified Water	scalar	Visual*	>0.21	NEG	---	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)	>31	2	---	---
Boron	ppm	ASTM D5185(m)		255	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		254	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		786	---	---
Calcium	ppm	ASTM D5185(m)		1426	---	---
Phosphorus	ppm	ASTM D5185(m)		908	---	---
Zinc	ppm	ASTM D5185(m)		985	---	---
Sulfur	ppm	ASTM D5185(m)		2773	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.5	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		10.65	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		9.4	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0894284 **Received** : 26 Feb 2024  
**Lab Number** : 02617994 **Tested** : 27 Feb 2024  
**Unique Number** : 5735104 **Diagnosed** : 27 Feb 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, PercentFuel )

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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