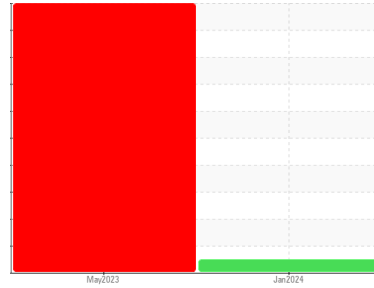


OIL ANALYSIS REPORT

Sample Rating Trend


NORMAL


Machine Id
JOHN DEERE 6175R NUTRIDENSE 6175R (S/N 1RW6175RLGD026055)
 Component
Front Center Diesel Engine
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (6 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 oil.

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0106790	JR0125062	---
Sample Date	Client Info			12 Jan 2024	04 May 2023	---
Machine Age	hrs	Client Info		2297	0	---
Oil Age	hrs	Client Info		500	500	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				NORMAL	SEVERE	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>2.1	<1.0	<1.0	---	
Water	WC Method	>0.21	NEG	NEG	---	
Glycol	WC Method		NEG	NEG	---	

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	35	233	---
Chromium	ppm	ASTM D5185m	>11	2	12	---
Nickel	ppm	ASTM D5185m	>5	5	30	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	5	13	---
Lead	ppm	ASTM D5185m	>26	<1	0	---
Copper	ppm	ASTM D5185m	>26	4	7	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
Cadmium	ppm	ASTM D5185m		0	0	---

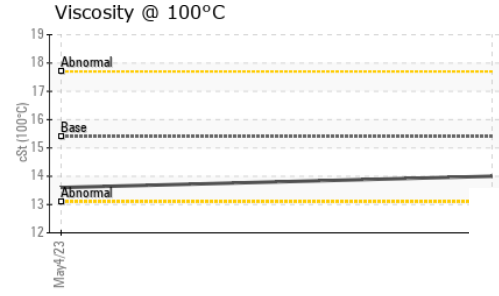
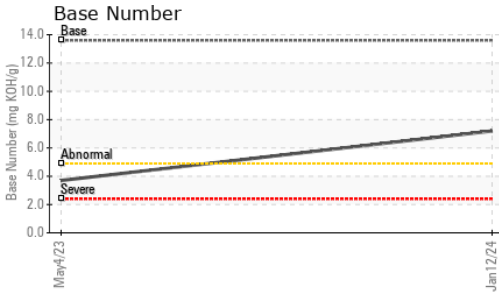
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		224	41	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		246	36	---
Manganese	ppm	ASTM D5185m		<1	4	---
Magnesium	ppm	ASTM D5185m		811	125	---
Calcium	ppm	ASTM D5185m		1349	2047	---
Phosphorus	ppm	ASTM D5185m		935	924	---
Zinc	ppm	ASTM D5185m		1088	1172	---
Sulfur	ppm	ASTM D5185m		3022	4064	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	8	9	---
Sodium	ppm	ASTM D5185m	>31	2	4	---
Potassium	ppm	ASTM D5185m	>20	1	6	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.5	---
Nitration	Abs/cm	*ASTM D7624	>20	8.0	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	25.3	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	17.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.2	3.7	---

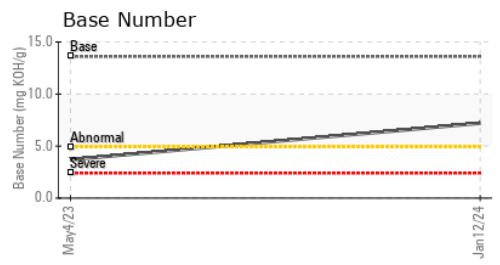
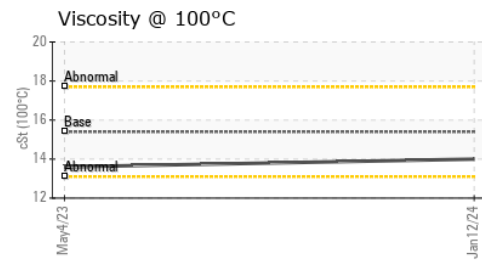
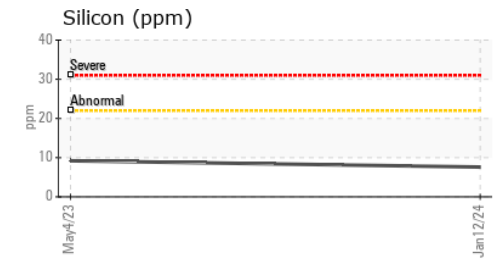
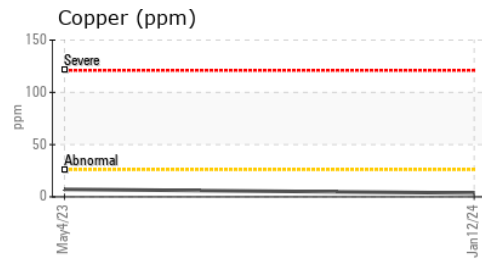
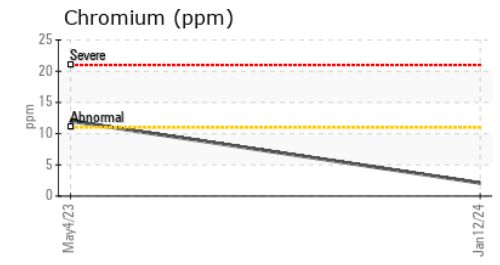
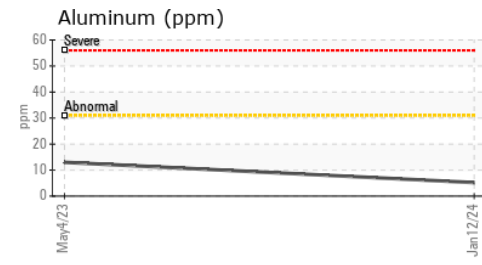
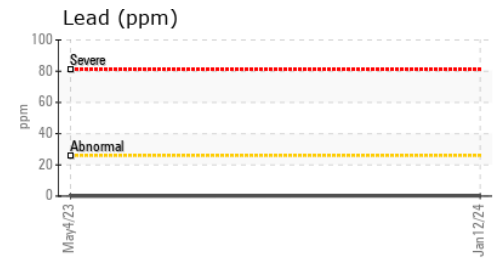
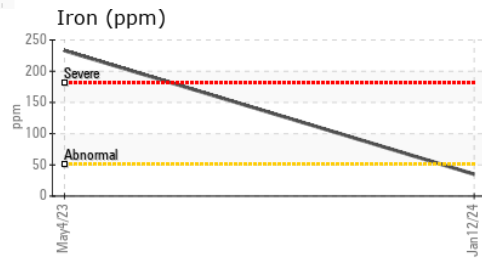
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.21	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.4	14.0	13.6	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0106790 **Recieved** : 17 Jan 2024
Lab Number : 06063302 **Diagnosed** : 19 Jan 2024
Unique Number : 10834684 **Diagnostician** : Don Baldrige
Test Package : MOBCE (Additional Tests: TBN)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DUSTIN HATCHETT
 dustin.hatchett@jamesriverequipment.com
 T:
 F: (804)798-0292

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - 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)