



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W21615-PAGE]

Machine Id
JOHN DEERE 3025E 1LV3025EFL142095

Component
Diesel Engine

Fluid
{not provided} (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210828	JR0110623	JR0082029
Sample Date		Client Info		01 Apr 2024	01 Dec 2021	18 Mar 2021
Machine Age	hrs	Client Info		445	105	42
Oil Age	hrs	Client Info		0	105	42
Filter Age	hrs	Client Info		0	105	42
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	10	8	10
Chromium	ppm	ASTM D5185m	>11	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	<1
Aluminum	ppm	ASTM D5185m	>31	6	2	4
Lead	ppm	ASTM D5185m	>26	2	<1	3
Copper	ppm	ASTM D5185m	>26	2	5	11
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

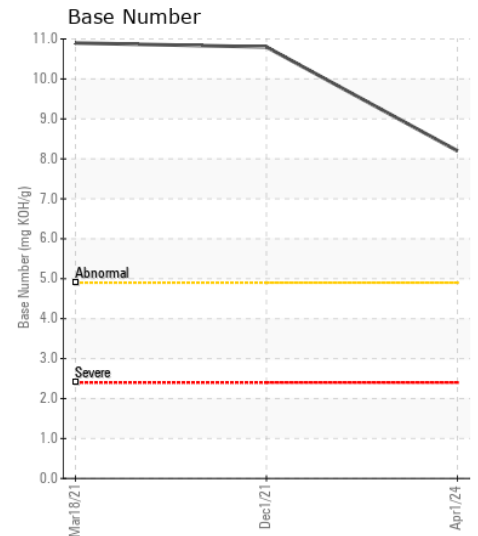
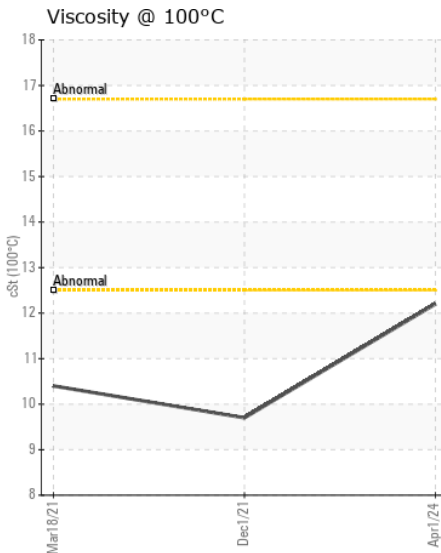
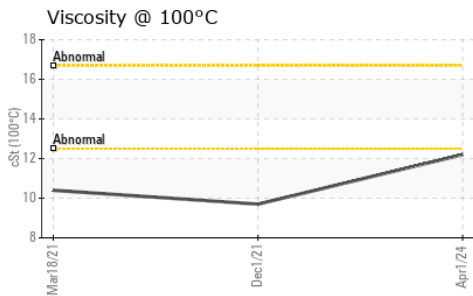
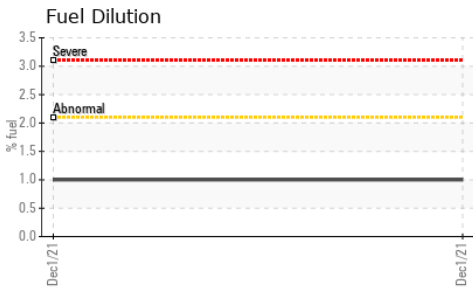
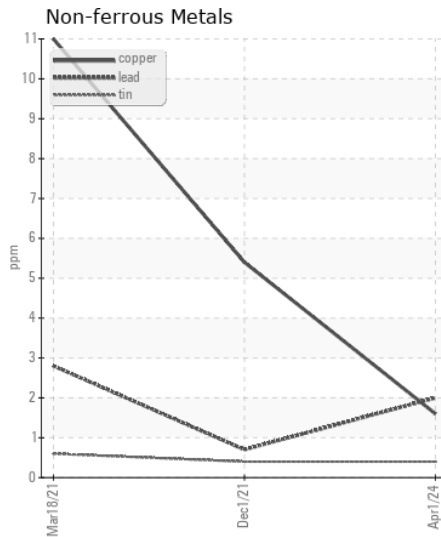
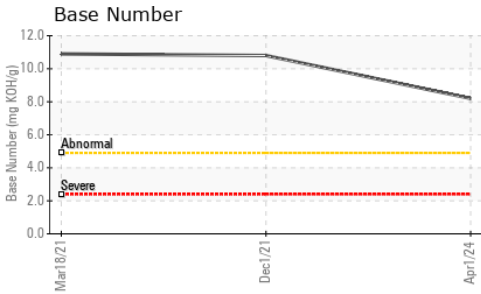
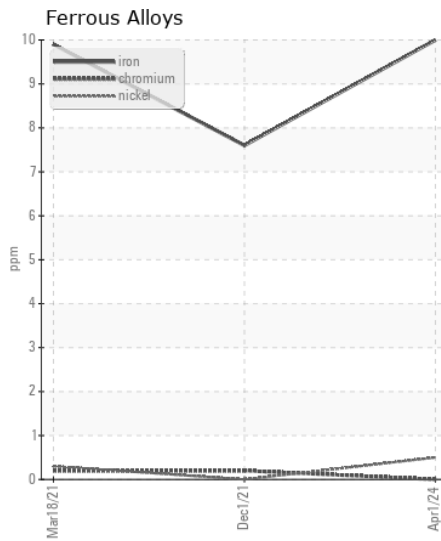
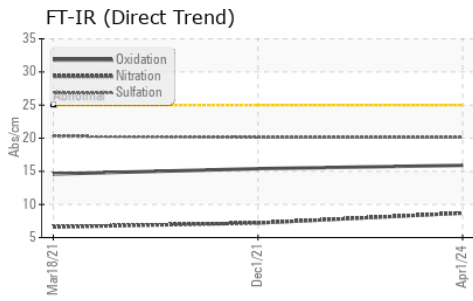
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	8	12	▲ 40
Potassium	ppm	ASTM D5185m	>20	2	0	3
Fuel	%	ASTM D3524	>2.1	<1.0	1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.7	7.2	6.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	20.1	20.3
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	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 D5185m	>31	4	4	13
Boron	ppm	ASTM D5185m		226	249	239
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		245	245	206
Manganese	ppm	ASTM D5185m		<1	<1	2
Magnesium	ppm	ASTM D5185m		826	761	625
Calcium	ppm	ASTM D5185m		1333	1496	1794
Phosphorus	ppm	ASTM D5185m		916	898	906
Zinc	ppm	ASTM D5185m		1088	1021	1053
Sulfur	ppm	ASTM D5185m		3602	2541	3058
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	15.4	14.6
Base Number (BN)	mg KOH/g	ASTM D2896		8.2	10.8	10.9
Visc @ 100°C	cSt	ASTM D445		12.2	9.7	10.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210828 **Received** : 11 Apr 2024
Lab Number : 06146395 **Tested** : 15 Apr 2024
Unique Number : 10976473 **Diagnosed** : 15 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: FuelDilution, TBN)

JRE - BURKEVILLE
 510 WEST COLONIAL DR
 BURKEVILLE, VA
 US 23922

Contact: BRANDON BOLLING
 bbolling@jamesriverequipment.com

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

T: (434)767-5578

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

F: (434)767-3774

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)