



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 744P 1dw744pavpll06872

Component
Diesel Engine

Fluid
{not provided} (--- GAL)

RECOMMENDATION

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		JR0208768	JR0193946	JR0186705
Sample Date		Client Info		18 Mar 2024	11 Jan 2024	03 Oct 2023
Machine Age	hrs	Client Info		1450	1103	556
Oil Age	hrs	Client Info		347	1103	556
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	30	38	30
Chromium	ppm	ASTM D5185m	>11	<1	2	1
Nickel	ppm	ASTM D5185m	>5	8	9	4
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	2
Aluminum	ppm	ASTM D5185m	>31	3	5	7
Lead	ppm	ASTM D5185m	>26	0	2	2
Copper	ppm	ASTM D5185m	>26	3	14	17
Tin	ppm	ASTM D5185m	>4	0	2	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

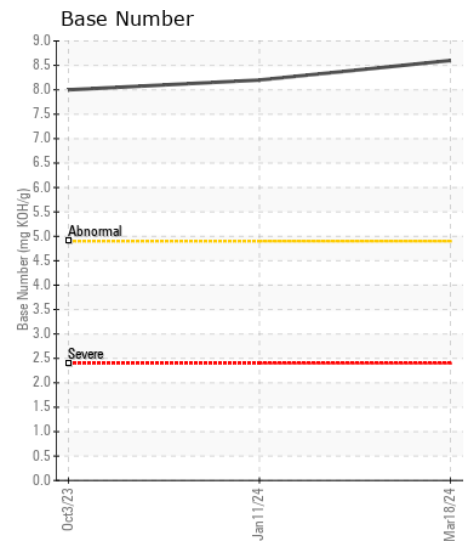
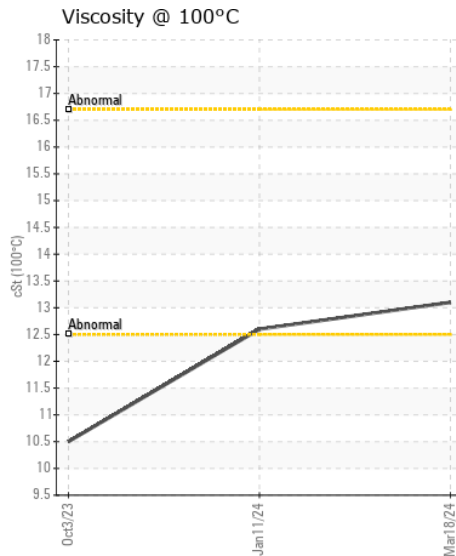
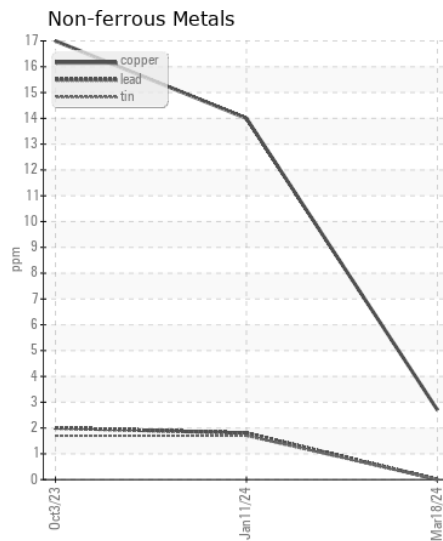
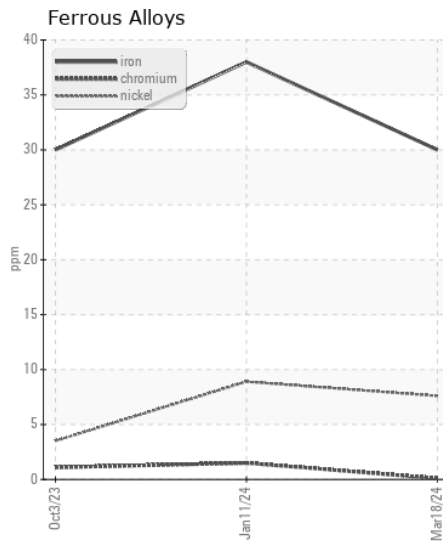
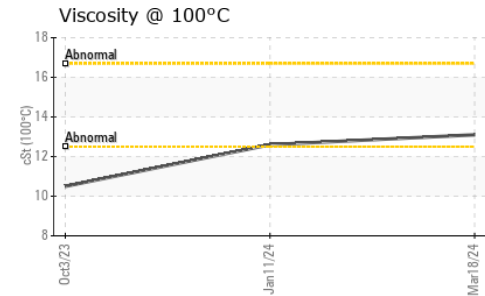
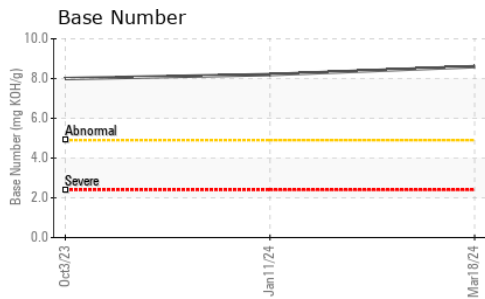
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	7	11	11
Potassium	ppm	ASTM D5185m	>20	29	3	5
Fuel		WC Method	>2.1	<1.0	<1.0	0.6
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.0	8.5	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	22.1	20.4
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	10	0	5
Boron	ppm	ASTM D5185m		215	239	211
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		247	272	229
Manganese	ppm	ASTM D5185m		<1	1	2
Magnesium	ppm	ASTM D5185m		833	829	745
Calcium	ppm	ASTM D5185m		1481	1465	1538
Phosphorus	ppm	ASTM D5185m		954	935	989
Zinc	ppm	ASTM D5185m		1140	1138	1175
Sulfur	ppm	ASTM D5185m		3691	3302	3402
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.2	16.1	15.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.6	8.2	8.0
Visc @ 100°C	cSt	ASTM D445		13.1	12.6	10.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0208768

Lab Number : 06123313

Unique Number : 10937464

Test Package : CONST (Additional Tests: TBN)

Received : 20 Mar 2024

Tested : 21 Mar 2024

Diagnosed : 21 Mar 2024 - Wes Davis

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)

JRE - GREENVILLE

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