



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[W65831]

Machine Id

TEREX TA300 TTHA1189JK0111047

Component

Diesel Engine

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 10W30 (12 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W65831)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206317	JR0119749	---
Sample Date		Client Info		23 Apr 2024	19 Apr 2022	---
Machine Age	hrs	Client Info		4846	1704	---
Oil Age	hrs	Client Info		4846	500	---
Filter Age	hrs	Client Info		0	500	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	23	25	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	5	8	---
Lead	ppm	ASTM D5185m	>40	6	12	---
Copper	ppm	ASTM D5185m	>330	1	12	---
Tin	ppm	ASTM D5185m	>15	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

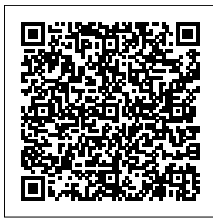
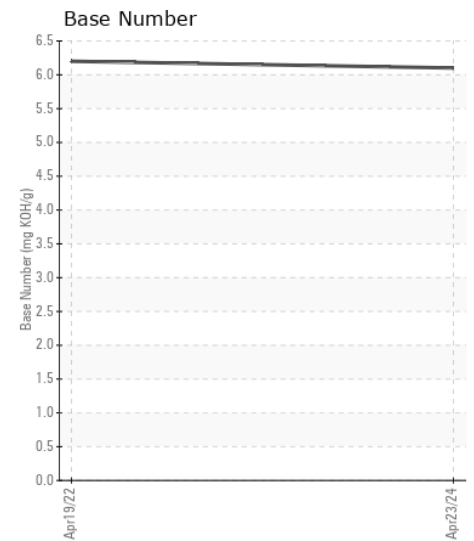
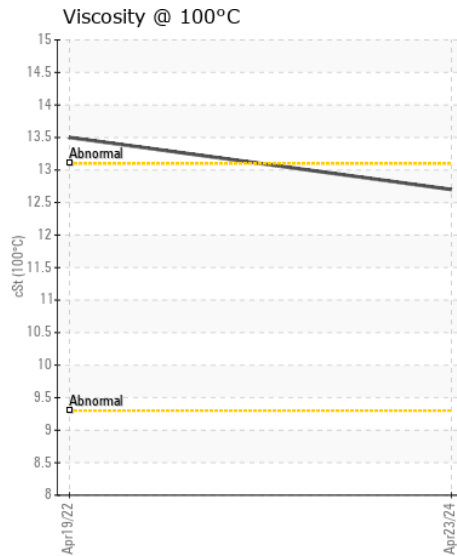
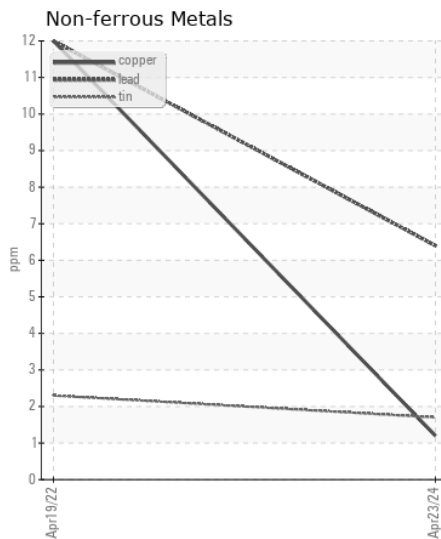
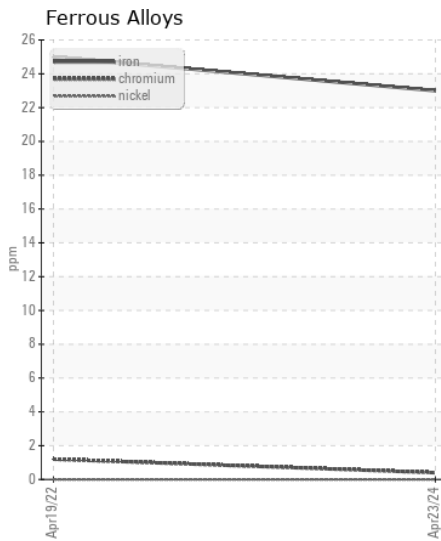
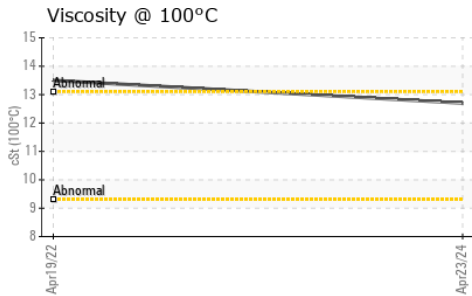
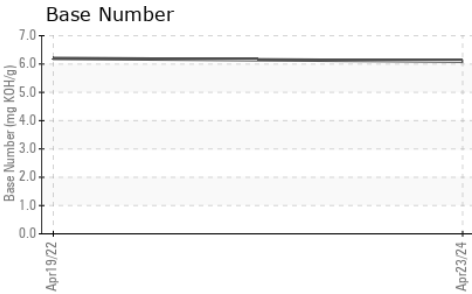
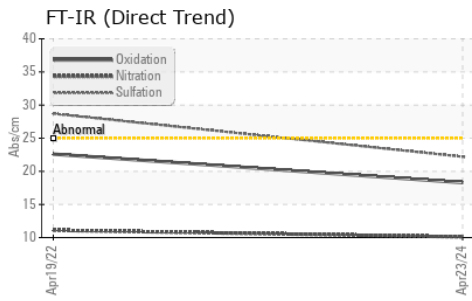
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	7	8	---
Potassium	ppm	ASTM D5185m	>20	8	34	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.6	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	10.1	11.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	28.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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		0	0	---
Boron	ppm	ASTM D5185m		25	117	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		80	83	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		797	518	---
Calcium	ppm	ASTM D5185m		1363	1459	---
Phosphorus	ppm	ASTM D5185m		1045	915	---
Zinc	ppm	ASTM D5185m		1224	1112	---
Sulfur	ppm	ASTM D5185m		3583	2404	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	22.6	---
Base Number (BN)	mg KOH/g	ASTM D2896		6.1	6.2	---
Visc @ 100°C	cSt	ASTM D445		12.7	13.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206317
Lab Number : 06160111
Unique Number : 10995534
Test Package : CONST (Additional Tests: TBN)

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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)