



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9034]

Machine Id

JOHN DEERE 260E 1DW260ETJNF716100

Component

Diesel Engine

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (9 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9034)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196813	JR0197178	JR0194514
Sample Date		Client Info		13 Jun 2024	10 Apr 2024	21 Dec 2023
Machine Age	hrs	Client Info		2558	2248	1752
Oil Age	hrs	Client Info		310	2248	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	19	28	34
Chromium	ppm	ASTM D5185m	>11	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	3	6	▲ 16
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	6	6	5
Lead	ppm	ASTM D5185m	>26	0	0	<1
Copper	ppm	ASTM D5185m	>26	2	6	9
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

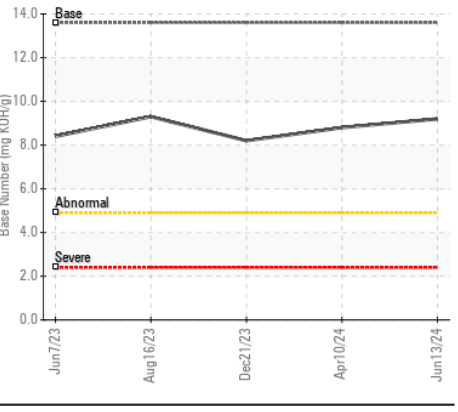
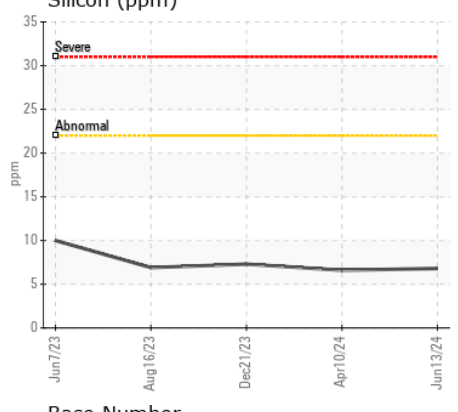
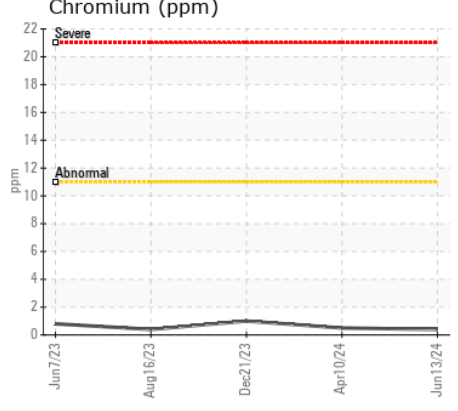
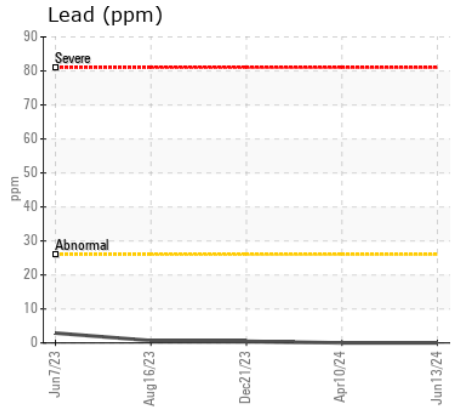
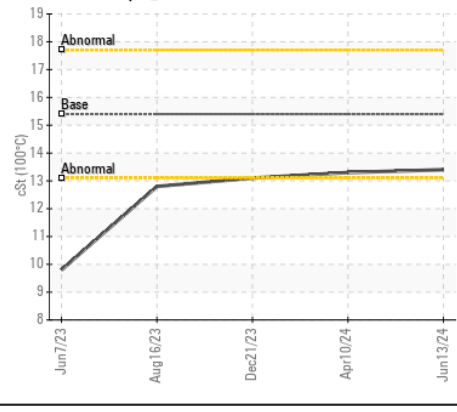
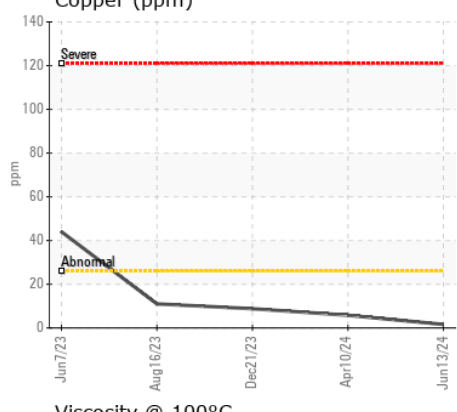
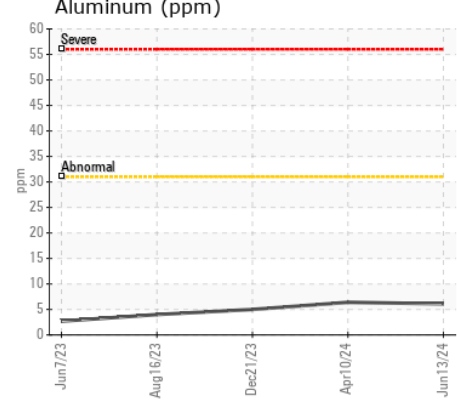
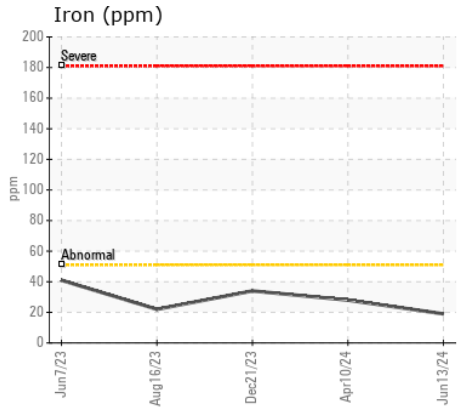
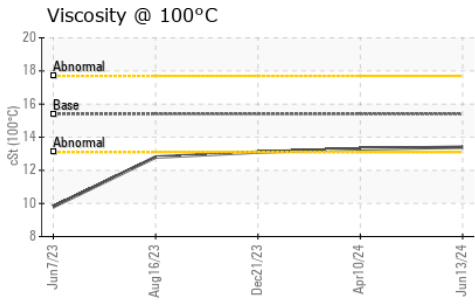
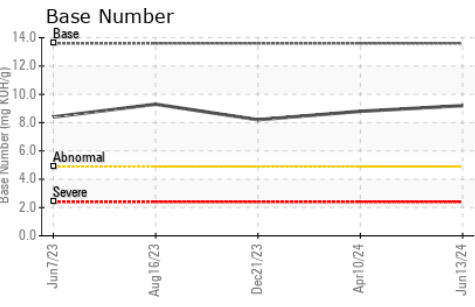
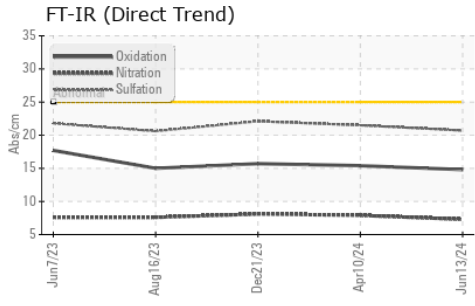
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	7	7	7
Potassium	ppm	ASTM D5185m	>20	3	<1	0
Fuel		WC Method	>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	0.2	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.3	7.9	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	21.5	22.1
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	3	2	1
Boron	ppm	ASTM D5185m		221	229	189
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		243	251	244
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		824	834	831
Calcium	ppm	ASTM D5185m		1418	1490	1428
Phosphorus	ppm	ASTM D5185m		922	957	945
Zinc	ppm	ASTM D5185m		1074	1131	1116
Sulfur	ppm	ASTM D5185m		3491	3563	2992
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	15.4	15.7
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.2	8.8	8.2
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.3	13.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196813 **Received** : 17 Jun 2024
Lab Number : 06211448 **Tested** : 18 Jun 2024
Unique Number : 11084312 **Diagnosed** : 18 Jun 2024 - Angela Borella
Test Package : MOBCE (Additional Tests: TBN)

JRE - HOPE MILLS/FAYETTEVILLE
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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)