



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 450J DOZER 22300 (S/N 264006)
Component
Diesel Engine
Fluid
CHEVRON 15W40 (15 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0950701	WC0905157	WC0846581
Sample Date		Client Info		19 Jun 2024	27 Feb 2024	11 Aug 2023
Machine Age	hrs	Client Info		6521	6312	6092
Oil Age	hrs	Client Info		500	250	292
Filter Age	hrs	Client Info		500	250	292
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	30	43	32
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		2	1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m	>31	3	3	0
Lead	ppm	ASTM D5185m	>26	1	<1	0
Copper	ppm	ASTM D5185m	>26	1	<1	0
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

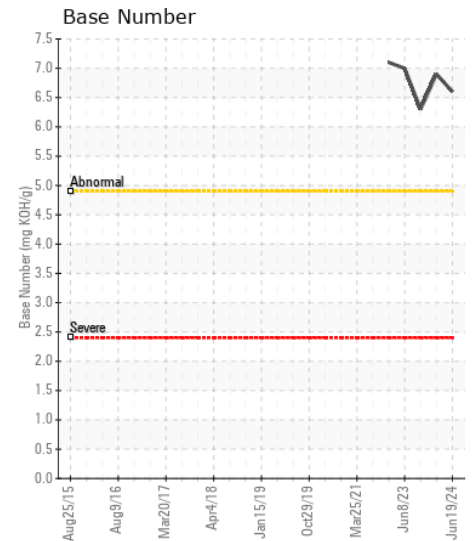
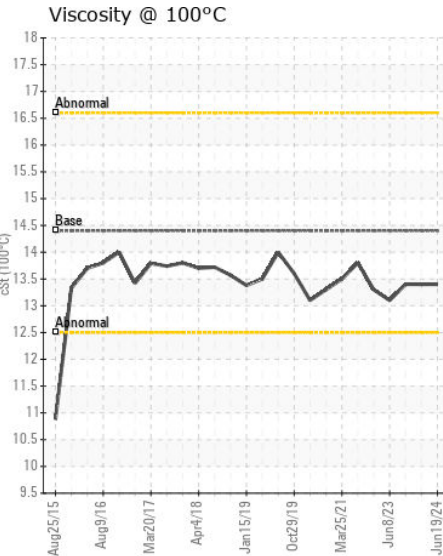
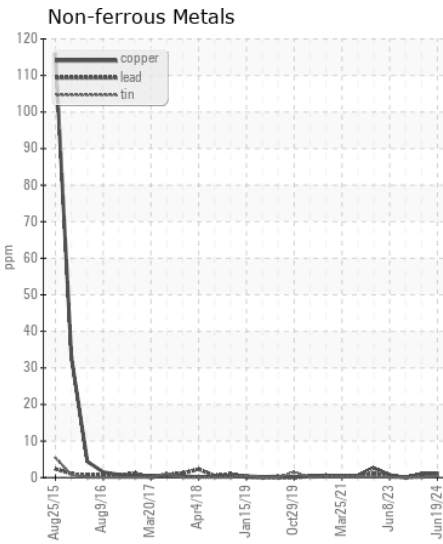
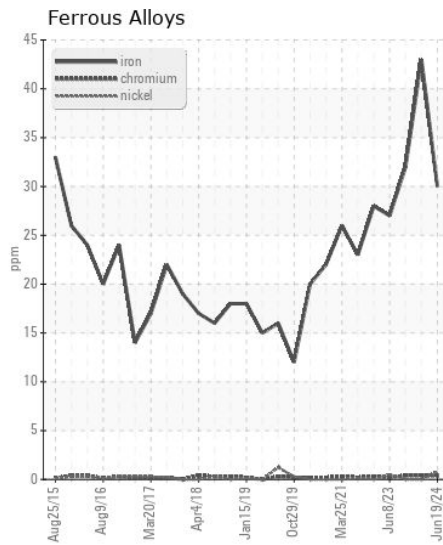
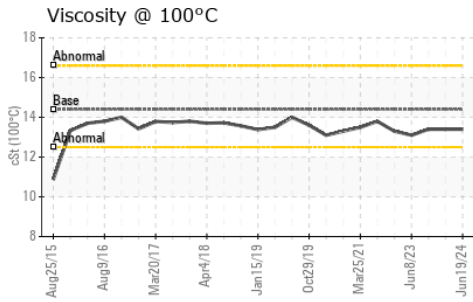
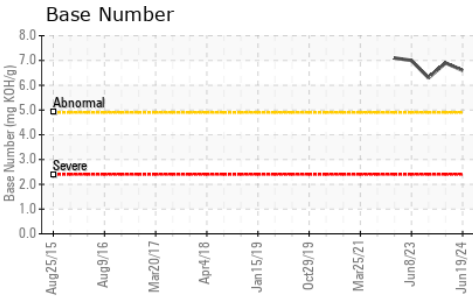
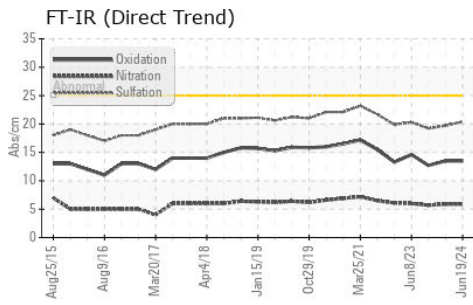
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	5	6	5
Potassium	ppm	ASTM D5185m	>20	2	2	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	0.5	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.9	5.9	5.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.4	19.7	19.2
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	>50	0	1	<1
Boron	ppm	ASTM D5185m		399	415	418
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		83	94	90
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		365	377	410
Calcium	ppm	ASTM D5185m		1324	1336	1431
Phosphorus	ppm	ASTM D5185m		921	1119	1000
Zinc	ppm	ASTM D5185m		1145	1222	1268
Sulfur	ppm	ASTM D5185m		3034	3521	3995
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	13.5	12.7
Base Number (BN)	mg KOH/g	ASTM D2896		6.6	6.9	6.3
Visc @ 100°C	cSt	ASTM D445	14.4	13.4	13.4	13.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0950701 **Received** : 25 Jun 2024
Lab Number : 06219443 **Tested** : 26 Jun 2024
Unique Number : 11097640 **Diagnosed** : 26 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: TBN)

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)

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