



WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE JOHN DEERE 200 KW

Component
Genset

Fluid
MOBIL 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment:
Top Up Amount: 1 QTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0011592	KL0011578	KL0011584
Sample Date		Client Info		05 Feb 2024	29 Sep 2023	18 Sep 2023
Machine Age	hrs	Client Info		3480	2980	2730
Oil Age	hrs	Client Info		2000	1250	1250
Filter Age	hrs	Client Info		0	250	250
Oil Changed		Client Info		Oil Added	Oil Added	Oil Added
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	12	11	4
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>12	1	1	0
Lead	ppm	ASTM D5185m	>17	<1	<1	0
Copper	ppm	ASTM D5185m	>70	3	8	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

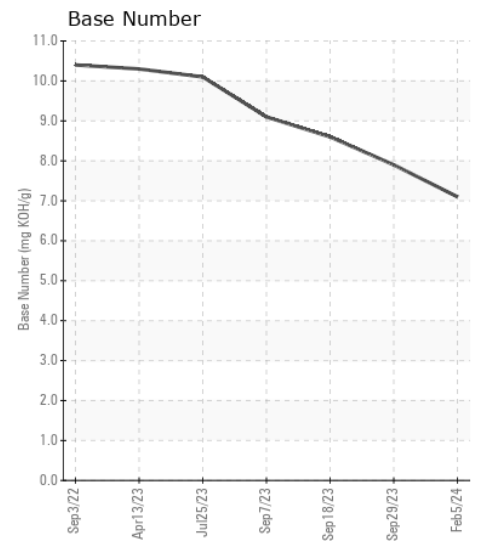
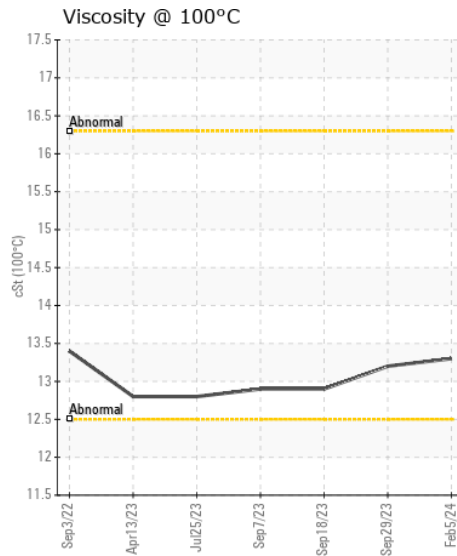
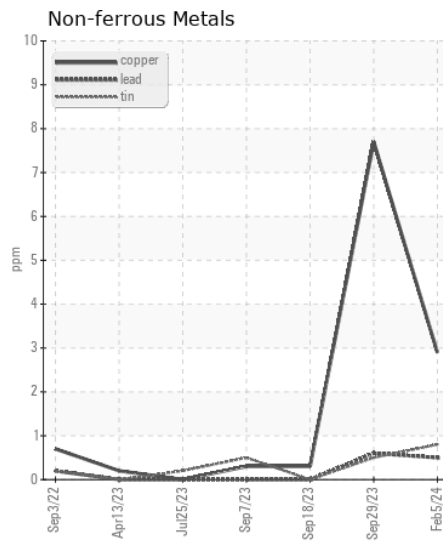
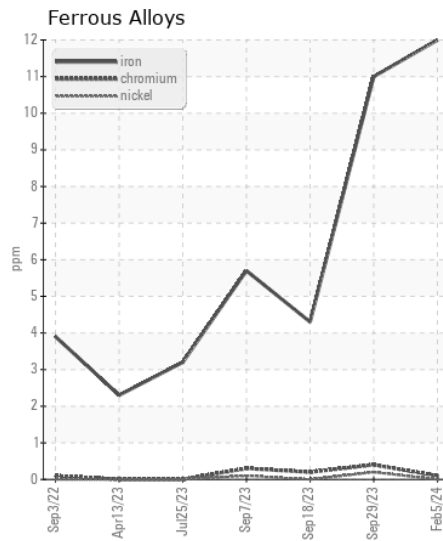
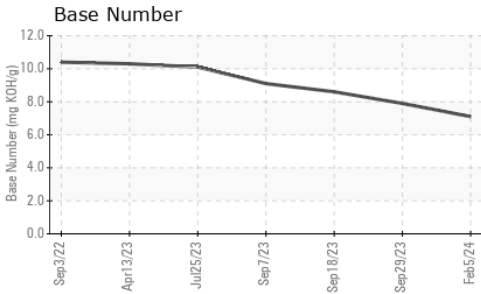
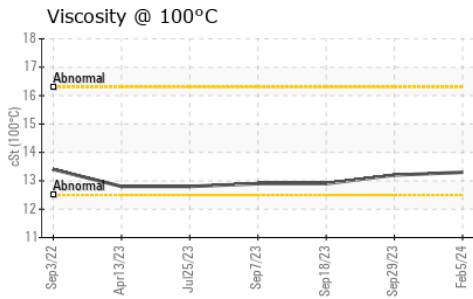
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	4
Potassium	ppm	ASTM D5185m	>20	<1	3	1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.6	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	10.6	9.3	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	21.6	21.1
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	>0.1	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	>118	<1	1	2
Boron	ppm	ASTM D5185m		31	28	38
Barium	ppm	ASTM D5185m		0	12	0
Molybdenum	ppm	ASTM D5185m		30	37	30
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		421	461	486
Calcium	ppm	ASTM D5185m		1644	1695	1936
Phosphorus	ppm	ASTM D5185m		774	758	762
Zinc	ppm	ASTM D5185m		914	913	923
Sulfur	ppm	ASTM D5185m		2758	2975	4342
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	21.5	20.3
Base Number (BN)	mg KOH/g	ASTM D2896		7.1	7.9	8.6
Visc @ 100°C	cSt	ASTM D445		13.3	13.2	12.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0011592
Lab Number : 06105076
Unique Number : 10903306
Test Package : FLEET
Received : 29 Feb 2024
Tested : 01 Mar 2024
Diagnosed : 04 Mar 2024 - Sean Felton

PACIFIC DAWN LLC
 2324 NW 90TH ST
 SEATTLE, WA
 US 98117

Contact: BURT PARKER
 icfish@teleport.com
 T: (206)297-2737
 F: (206)297-2949

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)