LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{unassigned}
Machine Id
JOHN DEERE 250GLC 1FF250GXCLF611600
Component
Diesel Engine
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

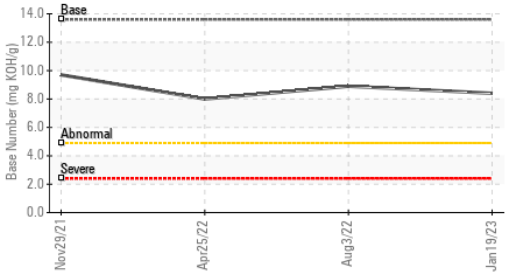
There is no indication of any contamination in the oil.

FLUID CONDITION

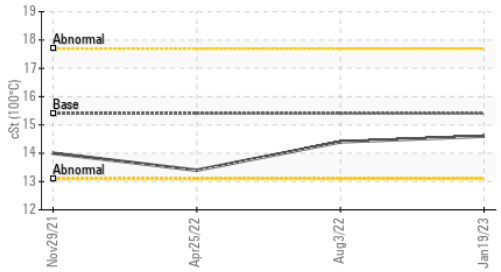
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**LEC0037937**	LEC0032716	LEC0030070
Sample Date		Client Info		**19 Jan 2023**	03 Aug 2022	25 Apr 2022
Machine Age	hrs	Client Info		**2336**	1806	1282
Oil Age	hrs	Client Info		**530**	524	537
Filter Age	hrs	Client Info		**530**	0	537
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>51	**31**	29	31
Chromium	ppm	ASTM D5185m	>11	**1**	1	1
Nickel	ppm	ASTM D5185m	>5	**3**	0	7
Titanium	ppm	ASTM D5185m		**<1**	<1	2
Silver	ppm	ASTM D5185m	>3	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>31	**4**	3	2
Lead	ppm	ASTM D5185m	>26	**2**	<1	3
Copper	ppm	ASTM D5185m	>26	**6**	18	86
Tin	ppm	ASTM D5185m	>4	**1**	<1	1
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>!20	**9**	8	6
Potassium	ppm	ASTM D5185m	>20	**2**	3	2
Fuel		WC Method	>5	**<1.0**	<1.0	<1.0
Water		WC Method	>0.21	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	*ASTM D7844	>3	**0.6**	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	**10.8**	11.1	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	**26.0**	26.9	24.3
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
Sodium	ppm	ASTM D5185m	>31	**4**	<1	4
Boron	ppm	ASTM D5185m		**119**	127	79
Barium	ppm	ASTM D5185m		**5**	0	0
Molybdenum	ppm	ASTM D5185m		**266**	246	47
Manganese	ppm	ASTM D5185m		**<1**	<1	1
Magnesium	ppm	ASTM D5185m		**827**	776	724
Calcium	ppm	ASTM D5185m		**1529**	1507	1484
Phosphorus	ppm	ASTM D5185m		**871**	866	1022
Zinc	ppm	ASTM D5185m		**1140**	1088	1179
Sulfur	ppm	ASTM D5185m		**3314**	2746	2742
Oxidation	Abs/.1mm	*ASTM D7414	>25	**20.5**	21.6	18.1
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	**8.4**	8.9	8.0
Visc @ 100°C	cSt	ASTM D445	15.4	**14.6**	14.4	13.4

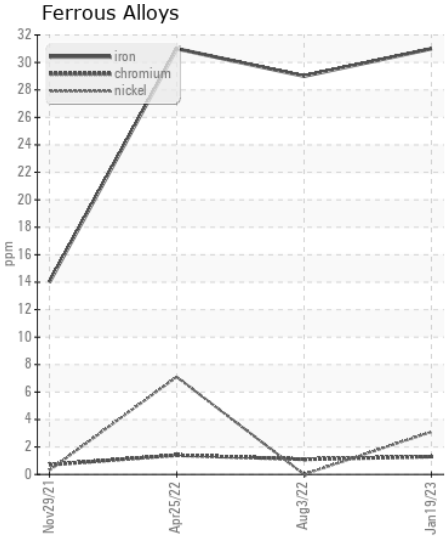
Base Number



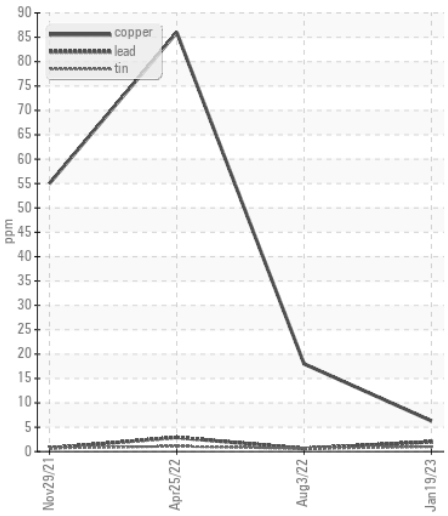
Viscosity @ 100°C



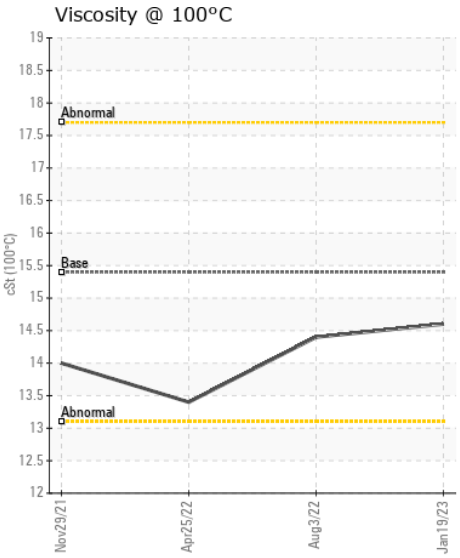
Ferrous Alloys



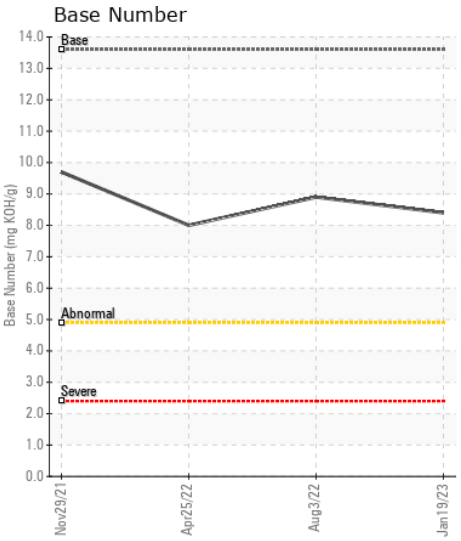
Non-ferrous Metals



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: LEC0037937	**Recieved**	: 24 Jan 2023
Lab Number	: 05747751	**Diagnosed**	: 25 Jan 2023
Unique Number	: 10307355	**Diagnostician**	: Sean Felton
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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