

Maralaliana Ial

19.1

13.9

3447

9.4

OHN DEERE ENGINE OIL PLUS 50 II 15W40 (- RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	UCIVI	Client Info	LITTICADI	JR0217838	-	JR0154243
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		19 Jun 2024	07 Mar 2023	28 Nov 2022
	Machine Age	hrs	Client Info		5096	3044	2514
	Oil Age	hrs	Client Info		500	0	536
	Filter Age	hrs	Client Info		500	0	536
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>51	9	13	13
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		1	2	2
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	2	4	3
	Lead	ppm	ASTM D5185m	>26	<1	<1	<1
	Copper	ppm	ASTM D5185m	>26	<1	8	2
	Tin	ppm	ASTM D5185m	>4	<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	5	6	6
	Potassium	ppm	ASTM D5185m	>20	3	2	0
Light fuel dilution occurring.	Fuel	%	ASTM D3524	>2.1	<b>3</b> .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	0.4	0.5
	Nitration	Abs/cm	*ASTM D7624		8.1	9.4	10.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	23.5	24.7
	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	NORM
	Odor Emulsified Water	scalar	*Visual *Visual	NORML >0.21	NORML NEG	NORML NEG	NORM NEG
		scalar	visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	<1	3
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.	Boron	ppm	ASTM D5185m		99	167	167
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		22	243	215
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		117	739	735
	Calcium	ppm	ASTM D5185m		2264	1512	1734
	Phosphorus	ppm	ASTM D5185m		963	927	857
	Zinc	ppm	ASTM D5185m		1184	1137	1171

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896 13.6

Abs/.1mm \*ASTM D7414 >25

ASTM D445 15.4

3073

18.7

8.5

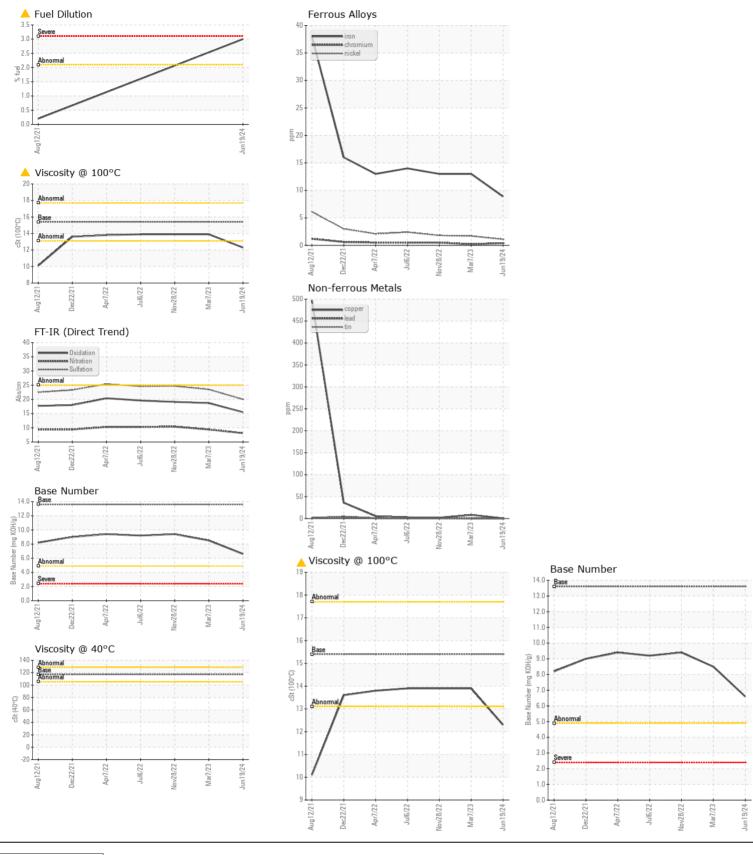
13.9

4104

15.5

6.6

12.3



TOTAL DEVELOPMENT SOLUTIONS LLC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0217838 7805 PROGRESS CT Sample No. Received : 01 Jul 2024 GAINESVILLE, VA Lab Number : 06224299 Tested : 03 Jul 2024 US 20155 Unique Number : 11102496 Diagnosed : 03 Jul 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, KV40, PercentFuel, TBN) Contact: JOE SEALE Certificate L2367 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. T: (571)220-7763

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: TECHNICIAN ACCOUNT Page 2 of 2

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