

Store 3 - Norton

JOHN DEERE 250G EX40 (S/N 1FF250GXTNF611948)

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0049281	LEC0045580	LEC0039542
	Sample Date		Client Info		06 Jun 2024	11 Dec 2023	23 Feb 2023
	Machine Age	hrs	Client Info		2566	1961	1132
	Oil Age	hrs	Client Info		500	500	653
	Filter Age	hrs	Client Info		500	500	653
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	33	29	39
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	1	<1
	Nickel	ppm	ASTM D5185m	>5	5	4 9	4
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	3	4	4
	Lead	ppm	ASTM D5185m	>26	0	<1	2
	Copper	ppm	ASTM D5185m	>26	4	8	<mark>6</mark> 3
	Tin	ppm	ASTM D5185m	>4	<1	<1	1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	5	7	8
	Potassium	ppm	ASTM D5185m	>20	2	1	<1
There is no indication of any contamination in the oil.	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	0.7	0.5	0.7
	Nitration	Abs/cm	*ASTM D7624		11.1	10.1	12.0
	Sulfation	Abs/.1mm	*ASTM D7415		23.0	23.1	26.2
	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	Sodium	ppm	ASTM D5185m	>31	5	3	5
	Boron	ppm	ASTM D5185m		21	166	93
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		90	228	254
	Manganese	ppm	ASTM D5185m		1	1	2
	Magnesium	ppm	ASTM D5185m		935	837	863
	Calcium	ppm	ASTM D5185m		1324	1687	1570
	Phosphorus	ppm	ASTM D5185m		1027	944	833
	Zinc	ppm	ASTM D5185m		1294	1174	1124
	Sulfur	ppm	ASTM D5185m		3315	3247	2841
	Oxidation	Abs/.1mm	*ASTM D7414		18.5	18.5	22.1
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.7	8.1	8.5

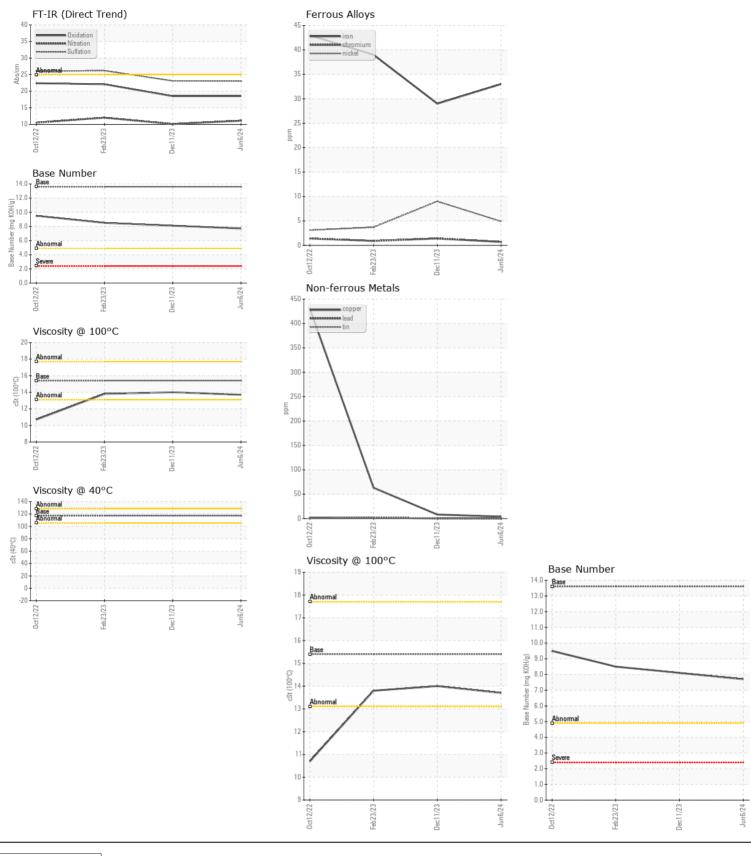
Visc @ 100°C cSt

ASTM D445 15.4

13.8

14.0

13.7



LANE PIPELINE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 回流 Sample No. Received 2946 E MAIN ST : LEC0049281 : 03 Jul 2024 Lab Number : 06227182 Tested BRIDGEPORT, WV : 05 Jul 2024 Unique Number : 11110675 Diagnosed : 05 Jul 2024 - Don Baldridge US 26330 Test Package : CONST (Additional Tests: TBN, KV40) Contact: JESSE WILBURN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jesseowilburn@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (740)440-0927 F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)