

WEAR CONTAMINATION FLUID CONDITION

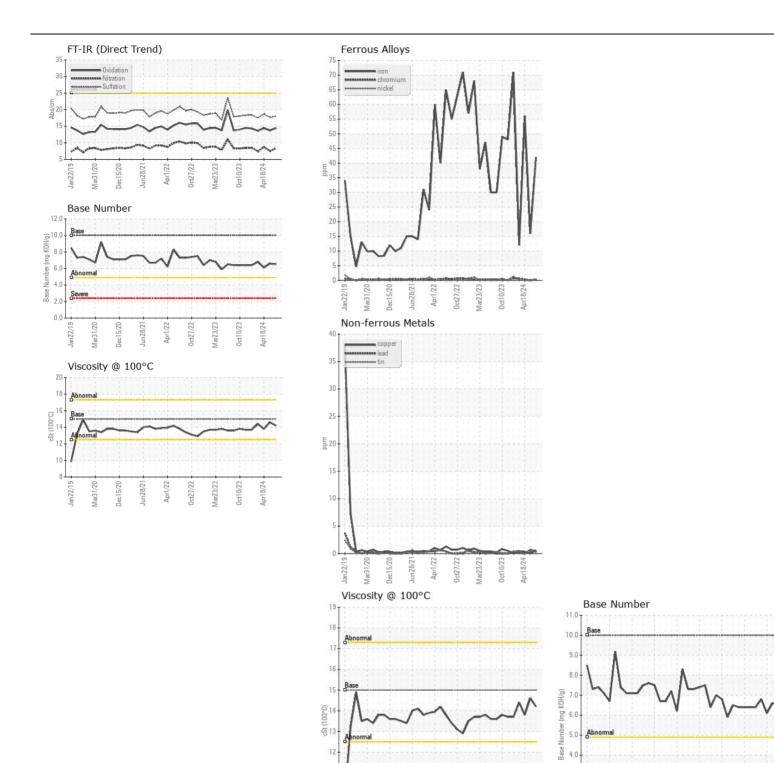
NORMAL NORMAL NORMAL



Machine Id **JOHN DEERE 744K 047-0043**

Diesel Engine

SCHAEFFER SUPREME 7000 (9 GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TECOMINIENDATION	Sample Number	OOW	Client Info	LIIIIUADII	WC0868371		WC0903847
Resample at the next service interval to monitor. (Customer Sample Comment: Engine oil sample. 16335 hours)	Sample Date		Client Info		18 May 2024	25 Apr 2024	18 Apr 2024
	Machine Age	hrs	Client Info		16335	16233	16184
	Oil Age	hrs	Client Info		16184	16184	15794
	Filter Age	hrs	Client Info		0	0	15718
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	42	16	<u>^</u> 56
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	0	<1
	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	4	1	4
	Lead	ppm	ASTM D5185m	>26	<1	<1	0
	Copper	ppm	ASTM D5185m	>26	<1	0	<1
	Tin	ppm	ASTM D5185m	>4	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4	4	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	4	0	4
	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	0.1	0.1	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	7.5	8.7
	Sulfation	Abs/.1mm	*ASTM D7415		18.0	17.7	18.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance Odor	scalar scalar	*Visual *Visual	NORML NORML	NORML NORML	NORML NORML	NORML NORML
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
	Linuisined Water	Scalai	visuai	20.21	·····	INLO	NLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	17	0	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		74	98	62
	Barium	ppm	ASTM D5185m	=0	<1	0	<1
	Molybdenum	ppm	ASTM D5185m	50	72	77	76
	Manganese	ppm	ASTM D5185m	1000	<1	0	<1
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		10 2119	56 2434	29 2190
	Phosphorus	ppm	ASTM D5185m		1120	1118	1007
	Zinc	ppm	ASTM D5185m		1214	1407	1246
	Sulfur	ppm	ASTM D5185m		5773	6767	5825
	Oxidation	Abs/.1mm	*ASTM D7414		14.4	13.7	14.4
	Base Number (BN)				6.5	6.6	6.1
	Visc @ 100°C	cSt	ASTM D445		14.2	14.6	13.8
			2				







Certificate L2367

Laboratory Sample No.

Lab Number : 06187406 Unique Number : 11044158

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0868371 Received

: 31 May 2024 **Tested** Diagnosed

: 31 May 2024 - Jonathan Hester 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.

SHIMMICK CONSTRUCTION

5535 TRAILHEAD DRIVE CHATTANOOGA, TN

US 37415

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

: 22 May 2024