

WEAR CONTAMINATION FLUID CONDITION

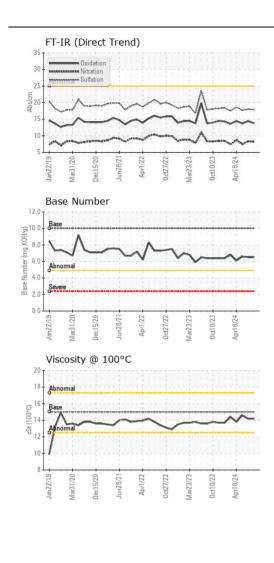
NORMAL NORMAL

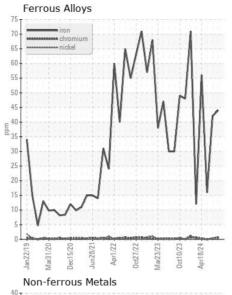


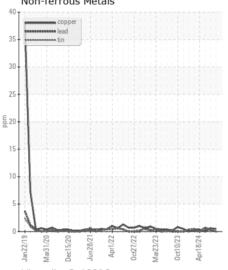
## Machine Id **JOHN DEERE 744K 047-0043**

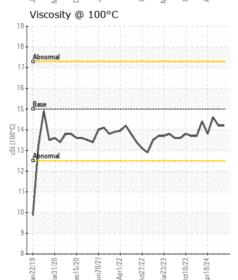
Component
Diesel Engine
Fluid

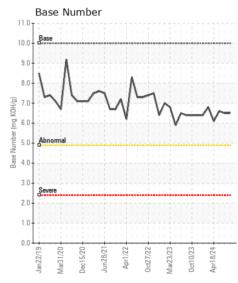
SCHAEFFER SUPREME 7000 (	9 GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. ( Customer Sample Comment: Engine oil sample @ 16599 hrs. )	Sample Number		Client Info		WC0868413	WC0868371	WC0904089
	Sample Date		Client Info		03 Jul 2024	18 May 2024	25 Apr 2024
	Machine Age	hrs	Client Info		16599	16335	16233
	Oil Age	hrs	Client Info		16599	16184	16184
	Filter Age	hrs	Client Info		16599	0	0
	Oil Changed		Client Info		Changed	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR Iron ppm ASTM D5185m >51					44	42	16
WEAT	Chromium	ppm	ASTM D5185m		<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		5	4	1
	Lead	ppm	ASTM D5185m	>26	0	<1	<1
	Copper	ppm	ASTM D5185m	>26	<1	<1	0
	Tin	ppm	ASTM D5185m	>4	0	<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
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4	4	4
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	5	4	0
	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	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.3	7.5
	Sulfation	Abs/.1mm	*ASTM D7415		17.9	18.0	17.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual *Visual	NONE NORML	NONE NORML	NONE NORML	NONE NORML
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	38	17	0
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		51	74	98
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m	50	78	72	77
	Manganese	ppm	ASTM D5185m		0	<1	0
	Magnesium	ppm	ASTM D5185m		32	10	56
	Calcium	ppm	ASTM D5185m		2263	2119	2434
	Phosphorus	ppm	ASTM D5185m ASTM D5185m		1064	1120	1118
	Zinc Sulfur	ppm	ASTM D5185m		1188 4589	1214 5773	1407 6767
	Oxidation	ppm Abs/.1mm	*ASTM D7414		4589 13.8	14.4	13.7
	Base Number (BN)		ASTM D7414 ASTM D2896		6.5	6.5	6.6
	Visc @ 100°C	cSt	ASTM D2030		14.2	14.2	14.6
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Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0868413 Lab Number : 06234672

Unique Number : 11123506

Received **Tested** Diagnosed

: 12 Jul 2024 : 15 Jul 2024

: 15 Jul 2024 - Don Baldridge

Test Package : CONST ( Additional Tests: TBN ) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

SHIMMICK CONSTRUCTION 5535 TRAILHEAD DRIVE

CHATTANOOGA, TN US 37415

Contact: DANIEL LISELLA daniel.lisella@shimmick.com

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