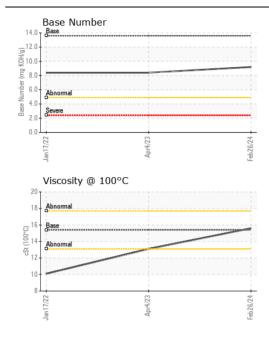
WEAR CONTAMINATION **FLUID CONDITION**

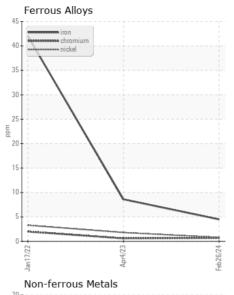
NORMAL NORMAL NORMAL

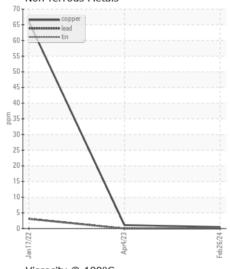
JOHN DEERE 644P 1DW644PAJMLZ13178

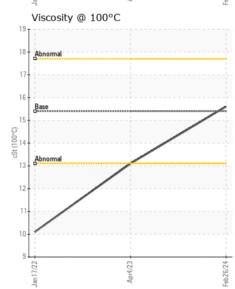
Diesel Engine

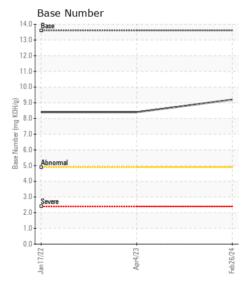
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WE0006276	WE0004061	WE000105
	Sample Date		Client Info		26 Feb 2024	04 Apr 2023	17 Jan 202
	Machine Age	hrs	Client Info		6442	3815	653
	Oil Age	hrs	Client Info		1	0	653
	Filter Age	hrs	Client Info		1	0	653
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ATTENTIO
A/E A B	lua-a		ACTM DE10E				40
WEAR	Iron	ppm	ASTM D5185m		4	9	42
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	2
	Nickel	ppm	ASTM D5185m	>5	<1	2	3
	Titanium	ppm	ASTM D5185m	0	4	<1	<1
	Silver	ppm	ASTM D5185m		0	0	<1
	Aluminum	ppm	ASTM D5185m		0	0	3
	Lead	ppm	ASTM D5185m ASTM D5185m		0 <1	1	66
	Copper Tin	ppm	ASTM D5185m		<1	0	3
	Vanadium	ppm	ASTM D5185m	>4	<1 <1	<1	<1
	White Metal	ppm scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<u></u>	Tellow Metal		visuai	INOINL	NONE	INOINL	INOINL
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	11	6	13
	Potassium	ppm	ASTM D5185m	>20	3	2	16
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	0.5
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.4	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	5.7	8.6	10.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	22.2	27.4
	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	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	nnm	ASTM D5185m	. 21	1	3	2
LOID CONDITION	Boron	ppm ppm	ASTM D5185m	<i>></i> 01	261	213	102
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		201	0	3
	Molybdenum	ppm	ASTM D5185m		239	246	255
	Manganese	ppm	ASTM D5185m		<1	<1	6
	Magnesium	ppm	ASTM D5185m		718	839	769
	Calcium	ppm	ASTM D5185m		1186	1455	1528
	Phosphorus	ppm	ASTM D5185m		810	907	845
	Zinc	ppm	ASTM D5185m		976	1109	1007
	Sulfur	ppm	ASTM D5185m		3072	3658	2598
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	15.8	23.1
	Base Number (BN)				9.2	8.4	8.4













Laboratory Sample No.

Lab Number : 06101405

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WE0006276

Tested Unique Number : 10899635 Diagnosed Test Package : CONST (Additional Tests: TBN)

Received : 27 Feb 2024 : 28 Feb 2024

: 28 Feb 2024 - Wes Davis

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT P.O. BOX 412 NORTHPORT, AL US 35476

> Contact: SCOTT GOOD sgood@warriortractor.com T: (205)339-0300

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)