



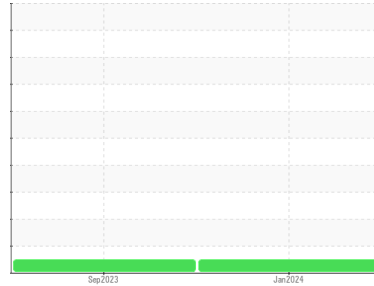
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[A34461]
 Machine Id
JOHN DEERE 450K 1T0450KXPMF390627
 Component
Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WE0006585	WE0004904	---
Sample Date	Client Info	12 Jan 2024	20 Sep 2023	---
Machine Age	hrs	Client Info	1069	1012
Oil Age	hrs	Client Info	1000	1012
Oil Changed	Client Info	Changed	Changed	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.075	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	>1250	13	159	
Iron	ppm	ASTM D5185m	>750	5	183
Chromium	ppm	ASTM D5185m	>9	0	1
Nickel	ppm	ASTM D5185m	>10	0	0
Titanium	ppm	ASTM D5185m		0	0
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>40	<1	3
Lead	ppm	ASTM D5185m	>15	0	0
Copper	ppm	ASTM D5185m	>40	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	6	1	2
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	3
Manganese	ppm	ASTM D5185m		0	2
Magnesium	ppm	ASTM D5185m	145	128	118
Calcium	ppm	ASTM D5185m	3570	3664	3725
Phosphorus	ppm	ASTM D5185m	1290	1145	1053
Zinc	ppm	ASTM D5185m	1640	1380	1343
Sulfur	ppm	ASTM D5185m		4088	4360

CONTAMINANTS

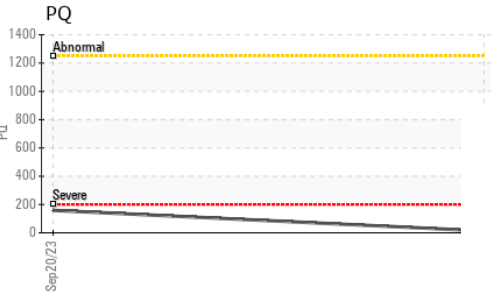
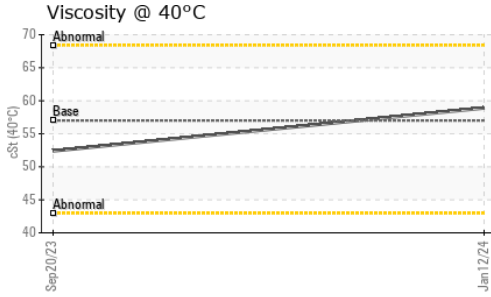
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	7	19
Sodium	ppm	ASTM D5185m	>51	<1	3
Potassium	ppm	ASTM D5185m	>20	1	4

VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG



OIL ANALYSIS REPORT



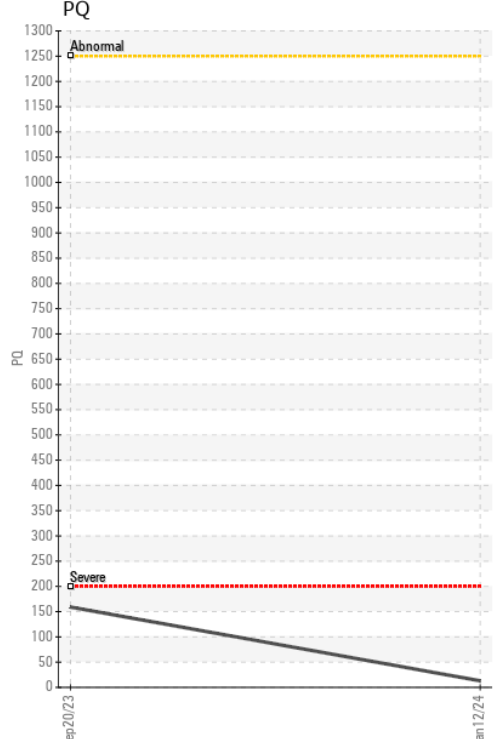
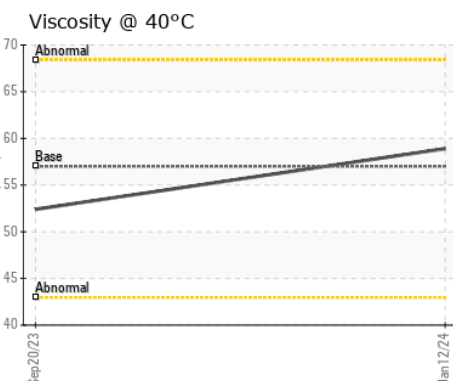
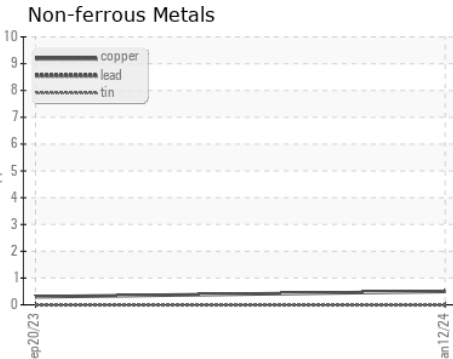
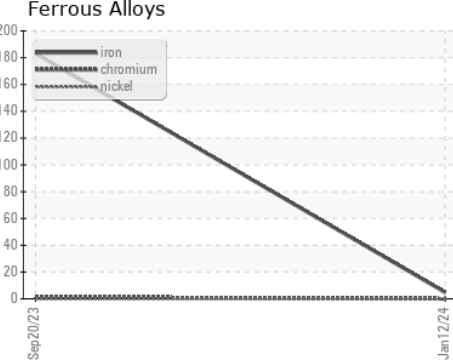
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	57.0	58.9	52.4	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006585 **Recieved** : 17 Jan 2024
Lab Number : **06063893** **Diagnosed** : 18 Jan 2024
Unique Number : 10835275 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE
 25135 ONE AVIATION WAY SW
 MADISON, AL
 US 35756
 Contact: HERBERT STONE
 WTE013@WARRIORTRACTOR.COM

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)

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F: