



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SIMS BARK [A35748]

Machine Id
JOHN DEERE 544P SIMS BARK 544P (S/N DW544PAPNLZ16740)

Component
Front Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS LOW VIS (8 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A35748)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007607	---	---
Sample Date		Client Info		01 Jul 2024	---	---
Machine Age	hrs	Client Info		560	---	---
Oil Age	hrs	Client Info		560	---	---
Filter Age	hrs	Client Info		560	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		None	---	---
Sample Status				ABNORMAL	---	---

WEAR

Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

PQ		ASTM D8184		28	---	---
Iron	ppm	ASTM D5185m	>500	101	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>25	1	---	---
Lead	ppm	ASTM D5185m	>25	▲ 54	---	---
Copper	ppm	ASTM D5185m	>100	▲ 300	---	---
Tin	ppm	ASTM D5185m	>10	3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

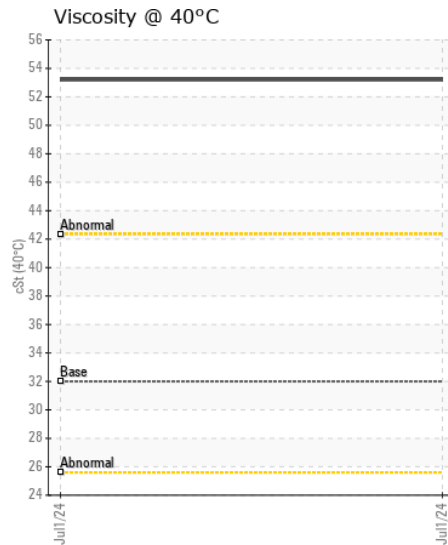
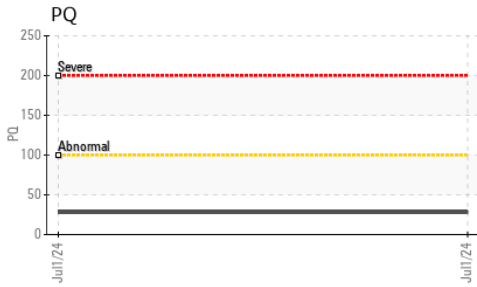
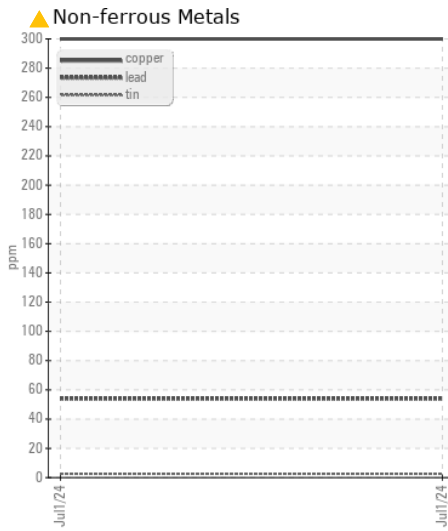
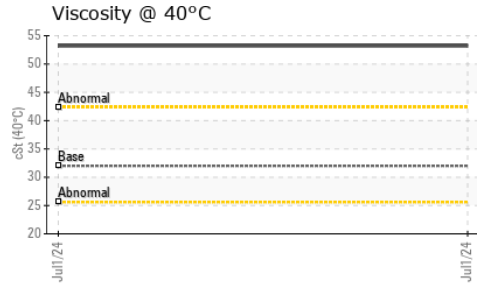
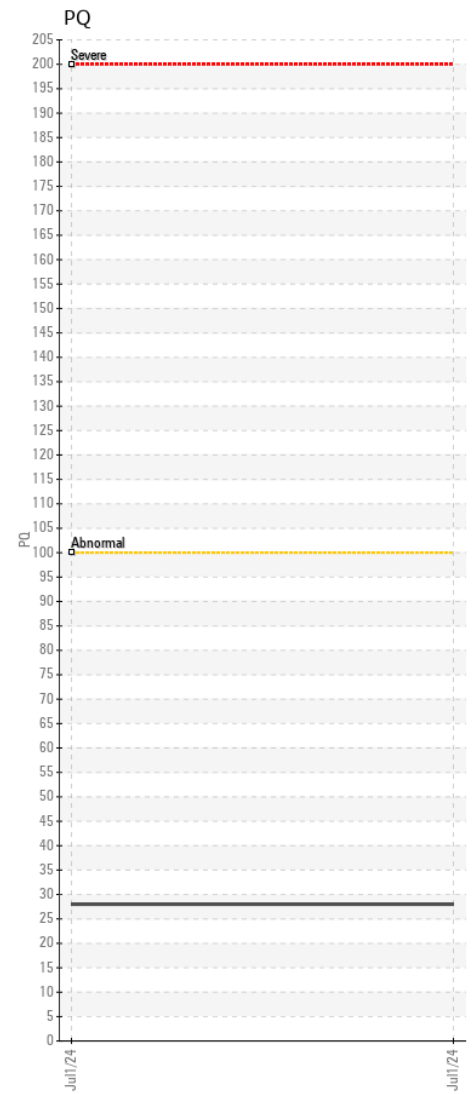
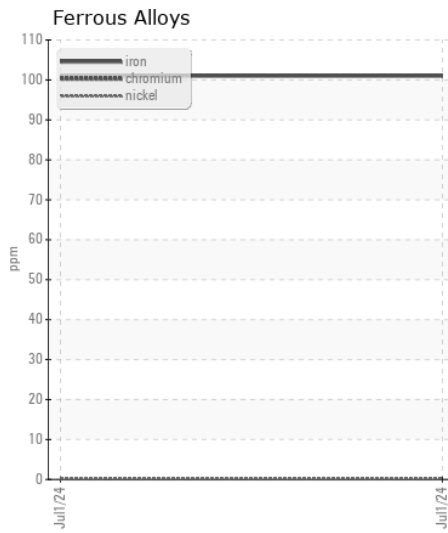
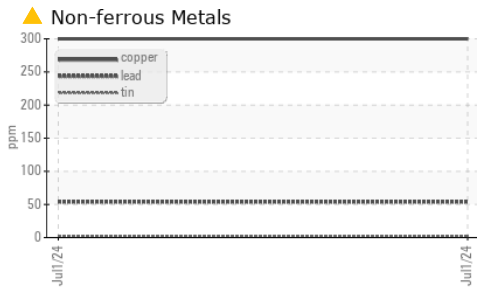
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		5	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		4	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m		108	---	---
Calcium	ppm	ASTM D5185m		3515	---	---
Phosphorus	ppm	ASTM D5185m		1026	---	---
Zinc	ppm	ASTM D5185m		1250	---	---
Sulfur	ppm	ASTM D5185m		4115	---	---
Visc @ 40°C	cSt	ASTM D445	32	53.2	---	---



Certificate L2367

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

Sample No. : WE0007607

Lab Number : 06227851

Unique Number : 11111344

Test Package : CONST (Additional Tests: PQ)

Received : 03 Jul 2024

Tested : 05 Jul 2024

Diagnosed : 07 Jul 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE

25135 ONE AVIATION WAY SW

MADISON, AL

US 35756

Contact: HERBERT STONE

WTE013@WARRIORTRACTOR.COM

T:

F:

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)