



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 460P 1DW460PATPFB06235
 Component
Center Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006308	WE0005029	WE0004101
Sample Date		Client Info		06 Jan 2024	01 Sep 2023	09 May 2023
Machine Age	hrs	Client Info		1430	927	431
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		20	21	17
Iron	ppm	ASTM D5185m	>500	24	38	22
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	6
Lead	ppm	ASTM D5185m	>25	3	20	7
Copper	ppm	ASTM D5185m	>100	15	54	25
Tin	ppm	ASTM D5185m	>10	1	5	2
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

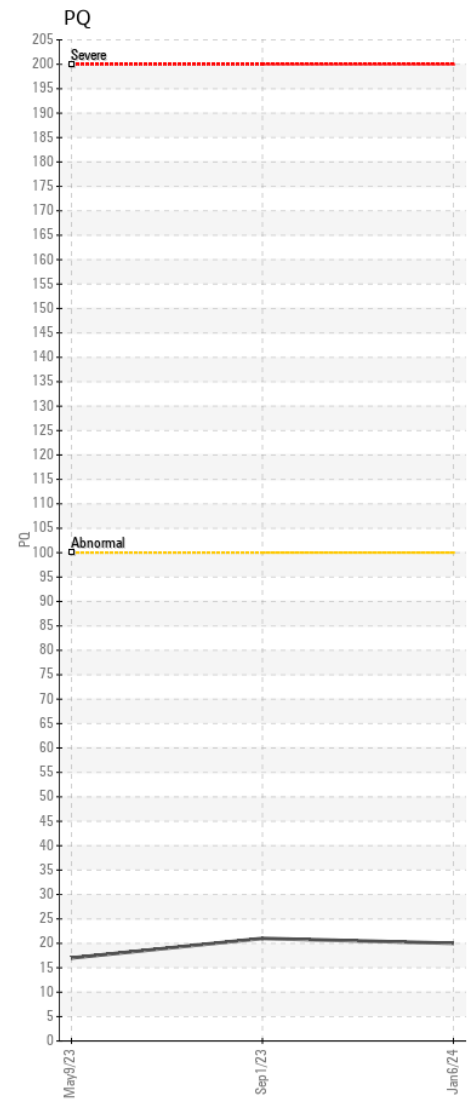
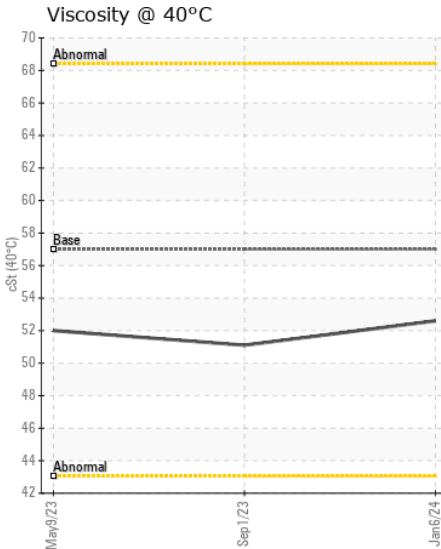
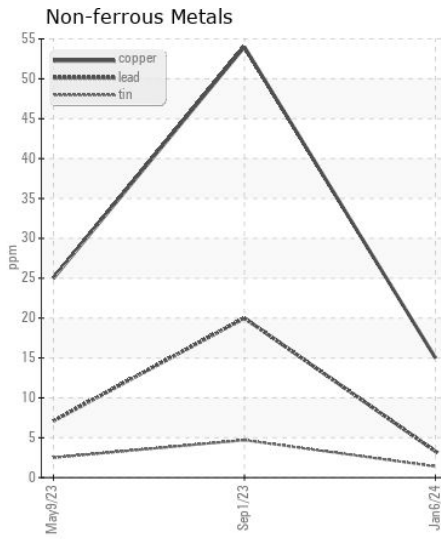
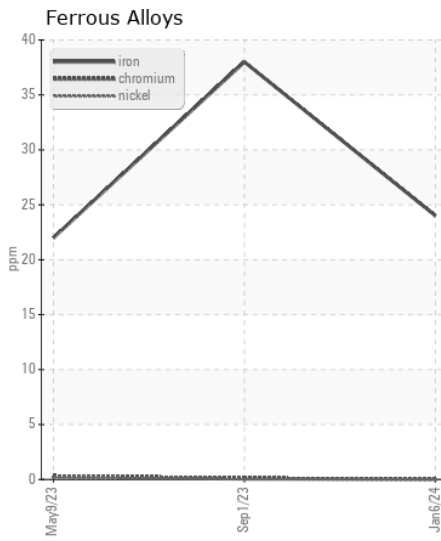
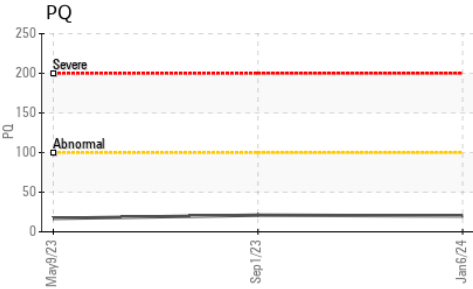
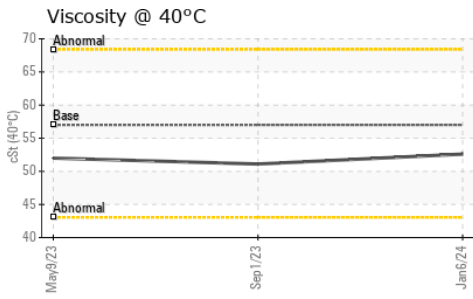
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	5	5
Potassium	ppm	ASTM D5185m	>20	0	0	1
Water		WC Method	>.2	NEG	NEG	NEG
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	5	3
Boron	ppm	ASTM D5185m	6	2	0	<1
Barium	ppm	ASTM D5185m	0	0	0	3
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		3	2	2
Magnesium	ppm	ASTM D5185m	145	95	100	103
Calcium	ppm	ASTM D5185m	3570	3326	3482	3618
Phosphorus	ppm	ASTM D5185m	1290	961	1013	1052
Zinc	ppm	ASTM D5185m	1640	1188	1199	1309
Sulfur	ppm	ASTM D5185m		3290	4239	4508
Visc @ 40°C	cSt	ASTM D445	57.0	52.6	51.1	52.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006308 **Received** : 09 Feb 2024
Lab Number : 06085015 **Tested** : 12 Feb 2024
Unique Number : 10872460 **Diagnosed** : 12 Feb 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT
P.O. BOX 412
NORTHPORT, AL
US 35476
Contact: PAMELA CLARK
pamela@warriortractor.com
T: (205)339-0300
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)