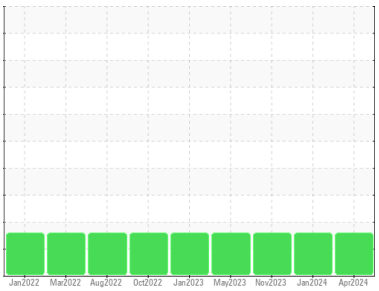
OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Machine Id
JOHN DEERE 844L 1DW844LXVML712581
Component
Transmission (Auto)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition
The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC06143287**	WE0006322	WE0005702
Sample Date		Client Info		**04 Apr 2024**	23 Jan 2024	17 Nov 2023
Machine Age	hrs	Client Info		**5525**	500	4449
Oil Age	hrs	Client Info		**5525**	0	0
Oil Changed		Client Info		**N/A**	N/A	Not Changd
Sample Status				**ABNORMAL**	MARGINAL	MARGINAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	**20**	16	12
Iron	ppm	ASTM D5185m	>160	**42**	42	39
Chromium	ppm	ASTM D5185m	>5	**0**	0	<1
Nickel	ppm	ASTM D5185m	>5	**0**	0	0
Titanium	ppm	ASTM D5185m		**0**	0	<1
Silver	ppm	ASTM D5185m	>5	**0**	0	0
Aluminum	ppm	ASTM D5185m	>50	**<1**	<1	<1
Lead	ppm	ASTM D5185m	>50	**0**	0	<1
Copper	ppm	ASTM D5185m	>225	**10**	9	10
Tin	ppm	ASTM D5185m	>10	**<1**	<1	<1
Vanadium	ppm	ASTM D5185m		**0**	0	<1
Cadmium	ppm	ASTM D5185m		**0**	0	0

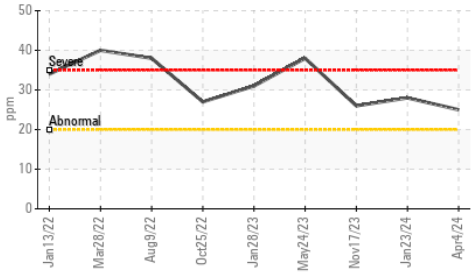
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	**<1**	2	<1
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0	**0**	0	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	145	**89**	91	71
Calcium	ppm	ASTM D5185m	3570	**3314**	3210	3240
Phosphorus	ppm	ASTM D5185m	1290	**1002**	1040	935
Zinc	ppm	ASTM D5185m	1640	**1182**	1210	1137
Sulfur	ppm	ASTM D5185m		**3258**	3324	3117

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	▲ **25**	▲ 28	▲ 26
Sodium	ppm	ASTM D5185m		**7**	7	8
Potassium	ppm	ASTM D5185m	>20	**0**	0	0

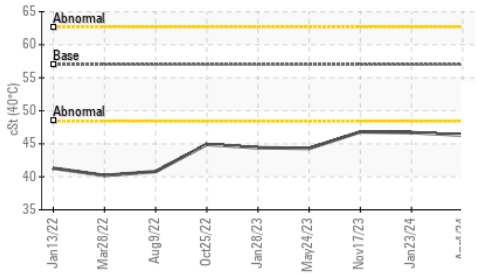
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

OIL ANALYSIS REPORT

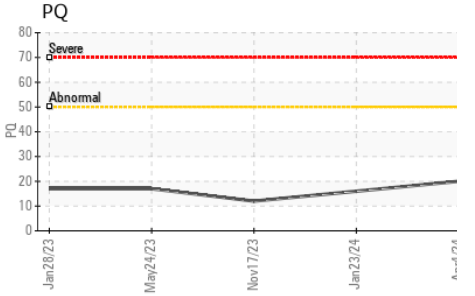
Silicon (ppm)



Viscosity @ 40°C



PQ

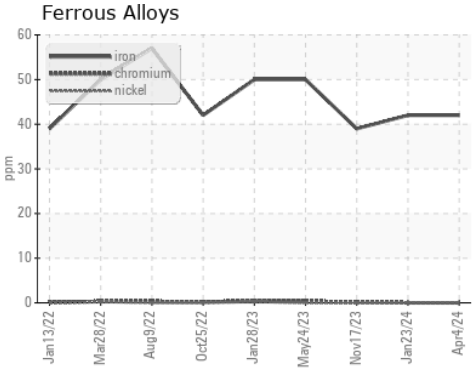


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	**46.3**	46.7	46.8

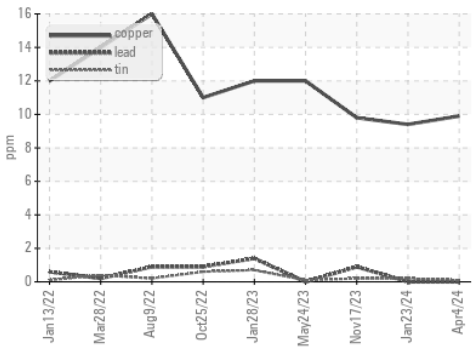
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

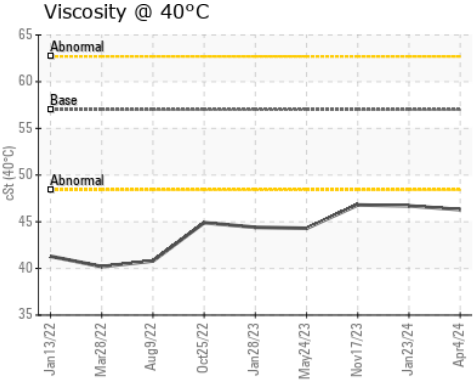
Ferrous Alloys



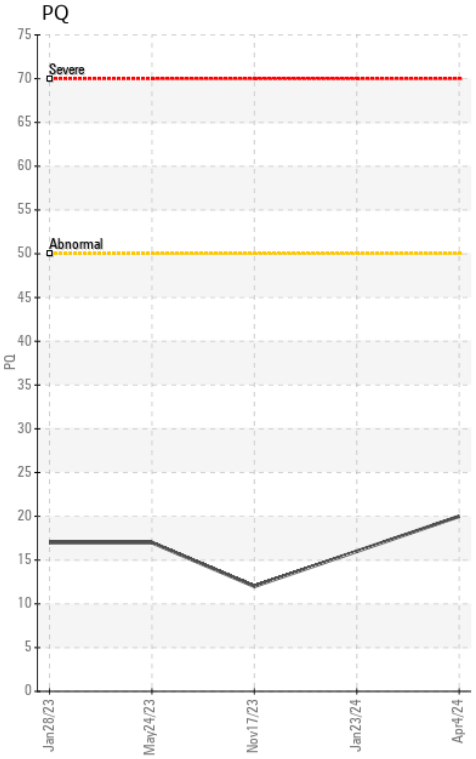
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC06143287
Lab Number : 06143287
Unique Number : 10968095
Test Package : CONST (Additional Tests: PQ)

Received : 09 Apr 2024
Tested : 10 Apr 2024
Diagnosed : 11 Apr 2024 - Sean Felton

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)

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

Report Id: WARNOR [WUSCAR] 06143287 (Generated: 04/12/2024 12:22:33) Rev: 1

Contact/Location: PAMELA CLARK - WARNOR