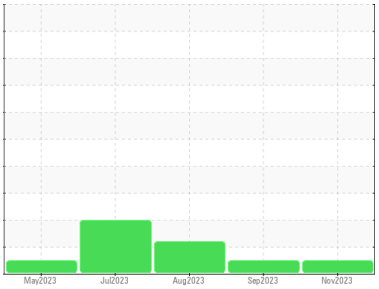
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
JOHN DEERE 8250R 8250R UNIT 2 (S/N 187152)
Component
Hydraulic System
Fluid
TDH FLUID SAE 75W80 (--- 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. The amount and size of particulates present in the system are acceptable.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PE0002526**	PE0002491	PE0002482
Sample Date		Client Info		**15 Nov 2023**	27 Sep 2023	08 Aug 2023
Machine Age	hrs	Client Info		**3936**	3575	3190
Oil Age	hrs	Client Info		**3575**	3190	3190
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ATTENTION

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		**15**	13	17
Iron	ppm	ASTM D5185m	>20	**14**	16	17
Chromium	ppm	ASTM D5185m	>10	**<1**	<1	0
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>10	**2**	4	2
Lead	ppm	ASTM D5185m	>10	**1**	1	<1
Copper	ppm	ASTM D5185m	>75	**8**	8	9
Tin	ppm	ASTM D5185m	>10	**<1**	<1	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	10	**3**	2	2
Barium	ppm	ASTM D5185m	10	**10**	0	0
Molybdenum	ppm	ASTM D5185m	10	**1**	<1	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	100	**53**	66	73
Calcium	ppm	ASTM D5185m	3500	**2903**	2896	3066
Phosphorus	ppm	ASTM D5185m	1150	**970**	978	974
Zinc	ppm	ASTM D5185m	1150	**1142**	1193	1131
Sulfur	ppm	ASTM D5185m	5000	**3439**	3882	3293

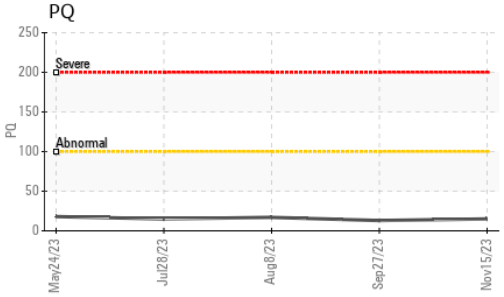
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**3**	4	4
Sodium	ppm	ASTM D5185m		**0**	0	0
Potassium	ppm	ASTM D5185m	>20	**3**	1	1

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	**1969**	2019	2060
Particles >6µm	ASTM D7647	>1300	**367**	288	812
Particles >14µm	ASTM D7647	>160	**63**	24	▲ 161
Particles >21µm	ASTM D7647	>40	**23**	8	▲ 53
Particles >38µm	ASTM D7647	>10	**2**	1	1
Particles >71µm	ASTM D7647	>3	**0**	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	**18/16/13**	18/15/12	▲ 18/17/15

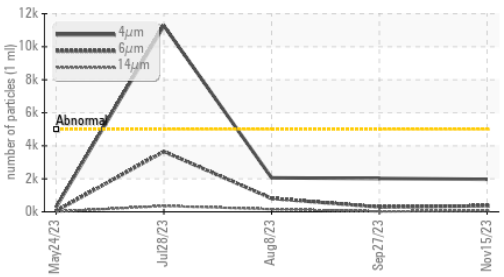
OIL ANALYSIS REPORT

PetroCard MORE THAN JUST FUEL.

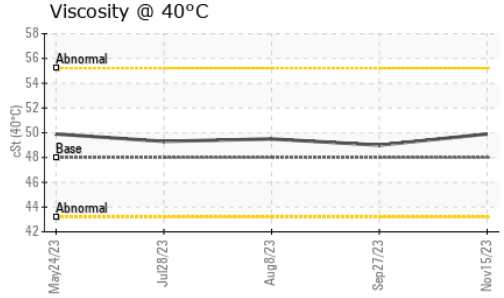
PQ



Particle Trend



Viscosity @ 40°C

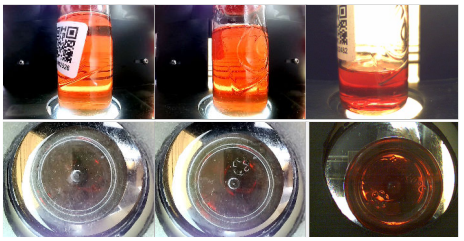


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	2.25	**1.00**	1.30	1.31

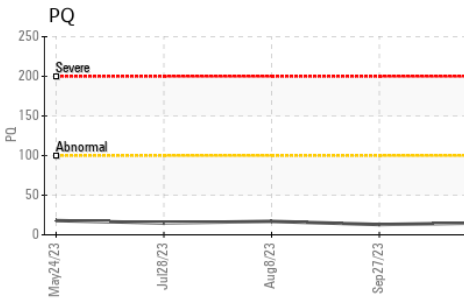
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	LIGHT
Sand/Dirt	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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48	**49.9**	49.0	49.5

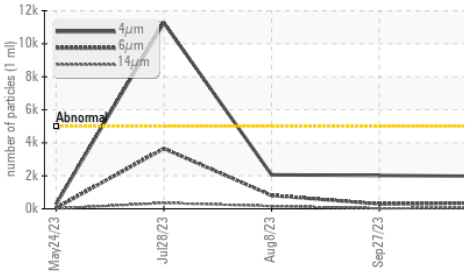
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



PQ

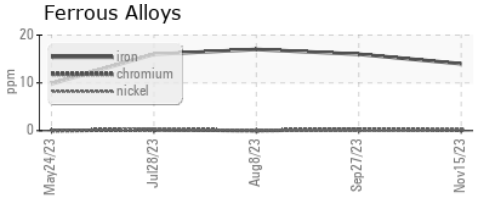


Particle Trend

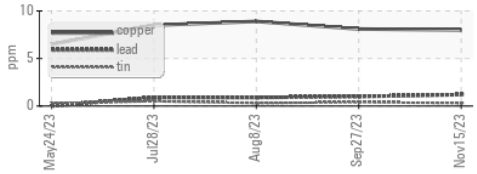


GRAPHS

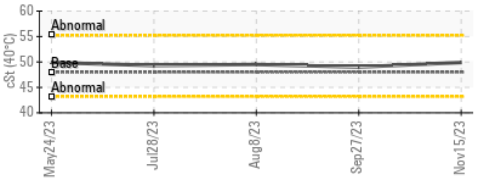
Ferrous Alloys



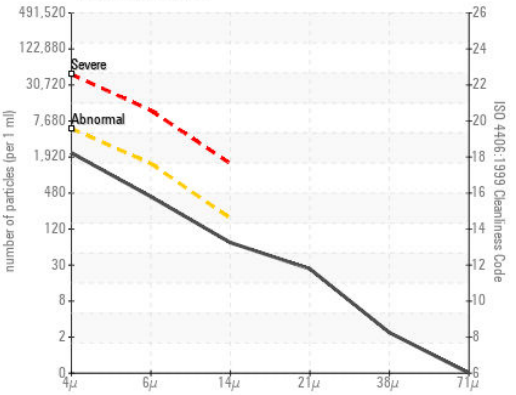
Non-ferrous Metals



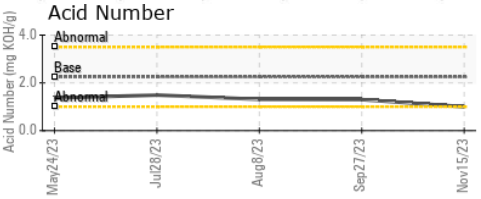
Viscosity @ 40°C



Particle Count



Acid Number



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002526 **Received** : 21 Nov 2023
Lab Number : 06013922 **Diagnosed** : 23 Nov 2023
Unique Number : 10753066 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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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Report Id: MORDAL [WUSCAR] 06013922 (Generated: 11/23/2023 13:47:28) Rev: 1

Submitted By: ROCHELLE MENDOZA