



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9034]

Machine Id

JOHN DEERE 260E 1DW260ETJNF716100

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (30 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9034)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196812	JR0197175	JR0194513
Sample Date		Client Info		13 Jun 2024	10 Apr 2024	24 Dec 2023
Machine Age	hrs	Client Info		2558	2248	1752
Oil Age	hrs	Client Info		2558	2248	0
Filter Age	hrs	Client Info		2558	2248	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	18	16	12
Iron	ppm	ASTM D5185m	>71	10	8	<1
Chromium	ppm	ASTM D5185m	>11	2	2	<1
Nickel	ppm	ASTM D5185m	>6	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	3	2	3
Lead	ppm	ASTM D5185m	>13	<1	1	0
Copper	ppm	ASTM D5185m	>21	3	3	0
Tin	ppm	ASTM D5185m	>5	<1	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

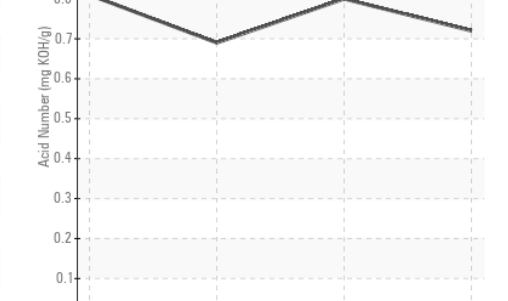
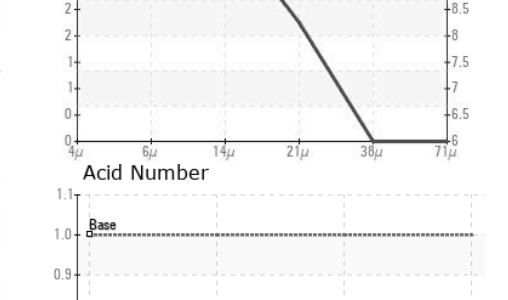
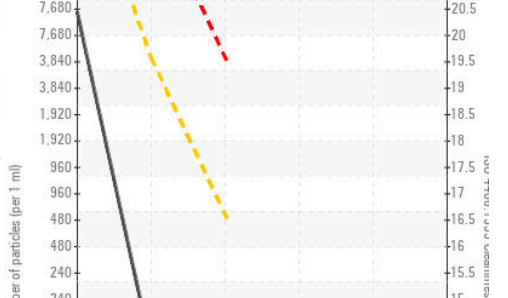
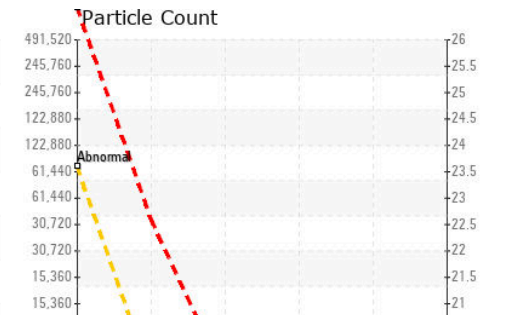
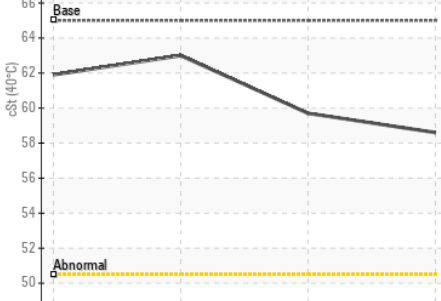
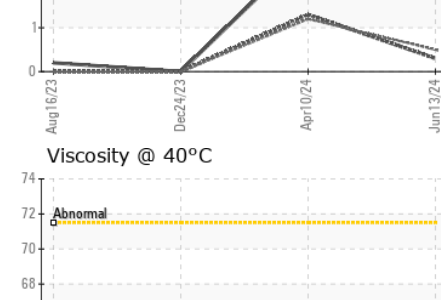
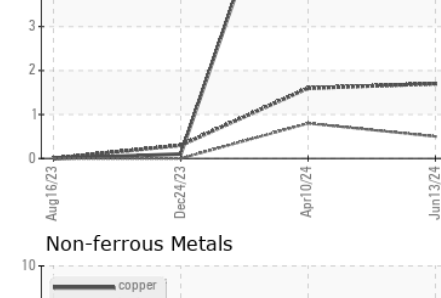
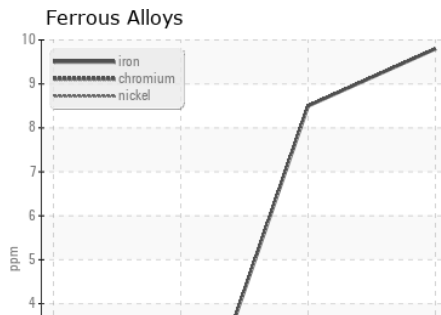
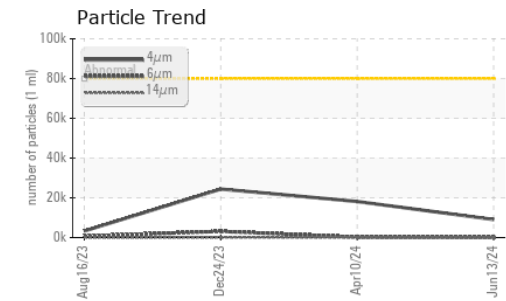
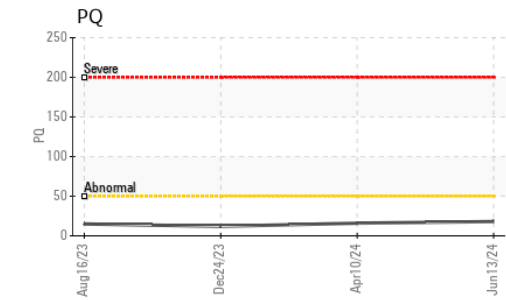
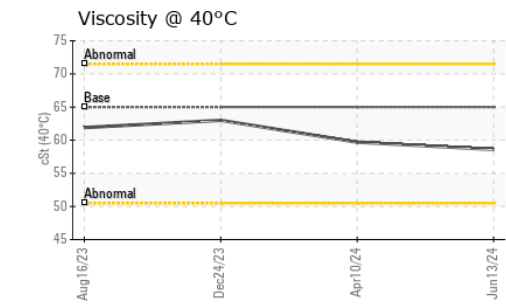
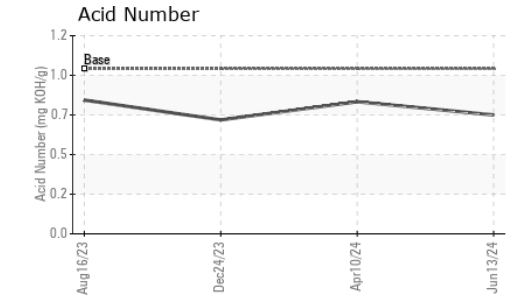
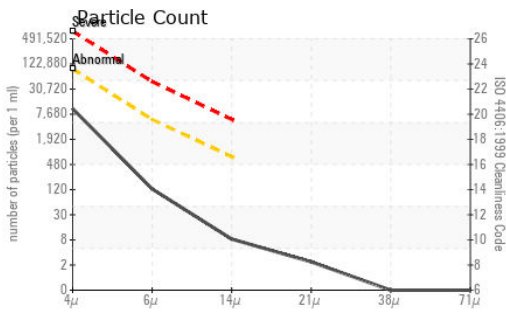
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>24	6	5	0
Potassium	ppm	ASTM D5185m	>20	3	4	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	9069	18141	24408
Particles >6µm		ASTM D7647	>5000	110	222	3119
Particles >14µm		ASTM D7647	>640	7	11	58
Particles >21µm		ASTM D7647	>160	2	2	9
Particles >38µm		ASTM D7647	>40	0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	20/14/10	21/15/11	22/19/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>21	2	0	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	<1	0
Molybdenum	ppm	ASTM D5185m		<1	1	<1
Manganese	ppm	ASTM D5185m		<1	1	0
Magnesium	ppm	ASTM D5185m		3	2	1
Calcium	ppm	ASTM D5185m	87	99	108	90
Phosphorus	ppm	ASTM D5185m	727	666	693	667
Zinc	ppm	ASTM D5185m	900	895	842	903
Sulfur	ppm	ASTM D5185m	1500	1765	1792	1653
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.72	0.80	0.69
Visc @ 40°C	cSt	ASTM D445	65	58.6	59.7	63.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196812 **Received** : 17 Jun 2024
Lab Number : 06211489 **Tested** : 18 Jun 2024
Unique Number : 11084353 **Diagnosed** : 18 Jun 2024 - Angela Borella
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.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)