



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16124]

Machine Id
JOHN DEERE 260E 1DW260ETEHF680678

Component
Front Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (39 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16124)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207051	JR0194707	JR0151197
Sample Date		Client Info		25 Apr 2024	03 Dec 2023	14 Oct 2022
Machine Age	hrs	Client Info		5347	4962	4056
Oil Age	hrs	Client Info		1291	0	0
Filter Age	hrs	Client Info		385	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		295	169	249
Iron	ppm	ASTM D5185m	>500	419	350	▲ 856
Chromium	ppm	ASTM D5185m	>10	2	<1	3
Nickel	ppm	ASTM D5185m	>10	2	1	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	3
Lead	ppm	ASTM D5185m	>25	1	<1	<1
Copper	ppm	ASTM D5185m	>100	172	153	▲ 138
Tin	ppm	ASTM D5185m	>10	7	6	7
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

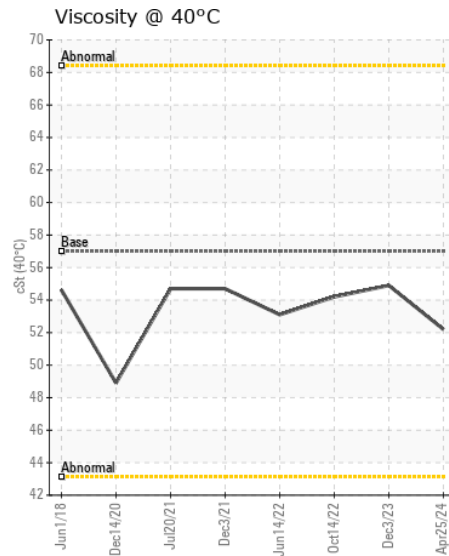
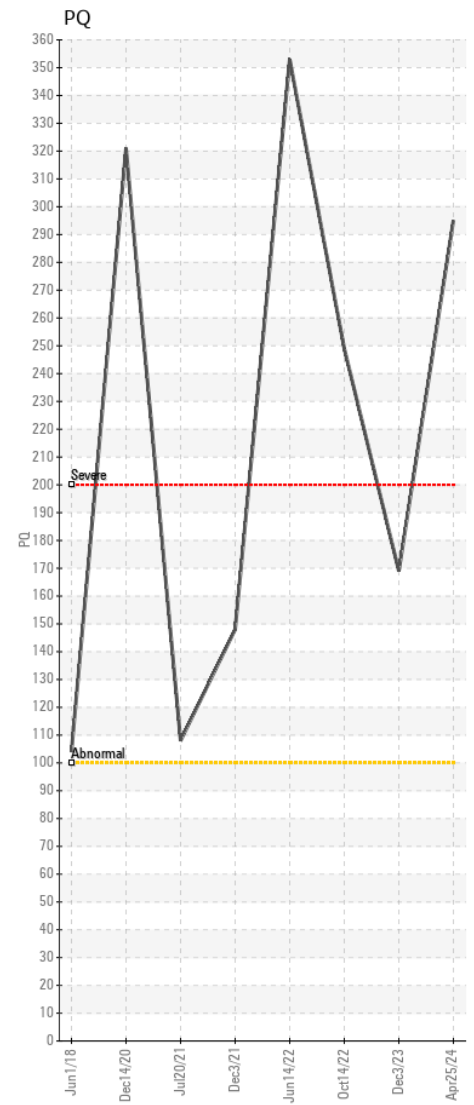
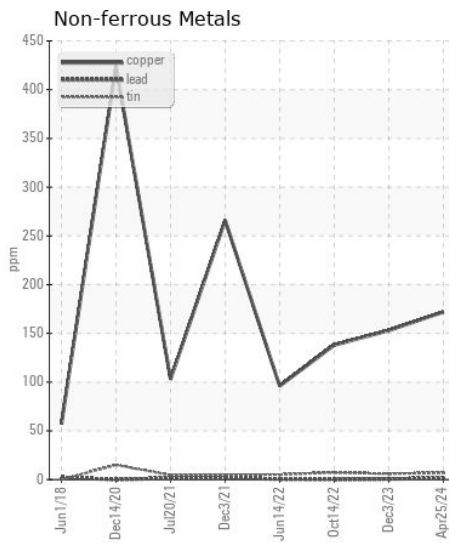
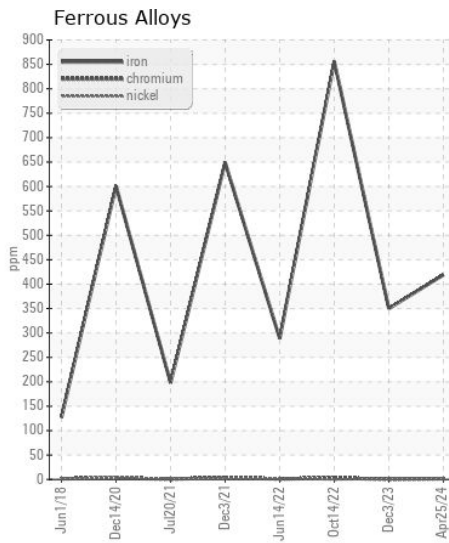
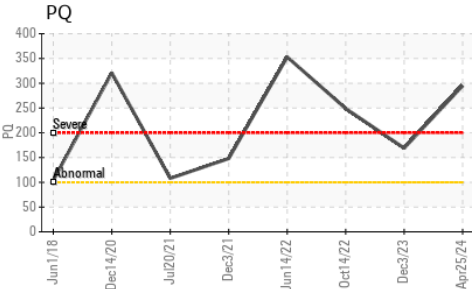
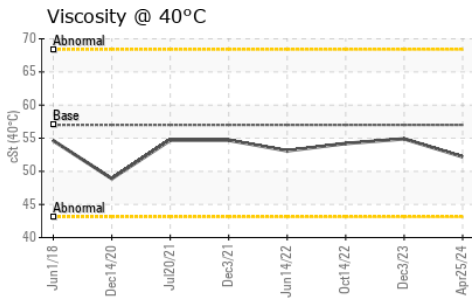
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	8	11
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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		4	2	0
Boron	ppm	ASTM D5185m	6	0	0	7
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	1	3
Manganese	ppm	ASTM D5185m		8	6	9
Magnesium	ppm	ASTM D5185m	145	99	103	94
Calcium	ppm	ASTM D5185m	3570	3410	3453	3423
Phosphorus	ppm	ASTM D5185m	1290	1001	891	1003
Zinc	ppm	ASTM D5185m	1640	1166	1209	1205
Sulfur	ppm	ASTM D5185m		3832	3419	4524
Visc @ 40°C	cSt	ASTM D445	57.0	52.2	54.9	54.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207051
Lab Number : 06161730
Unique Number : 10997153
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP
 todd.simmons@jamesriverequipment.com; canastasio@wearcheck.com; canastasio@we
 T: (910)675-9211
 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)