



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16124]

Machine Id
JOHN DEERE 260E 1DW260ETEHF680678

Component
Rear Differential

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

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 16W16124)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207058	JR0194708	JR0151199
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		385	0	0
Filter Age	hrs	Client Info		1291	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		297	203	255
Iron	ppm	ASTM D5185m	>500	▲ 808	659	692
Chromium	ppm	ASTM D5185m	>10	2	1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>25	<1	<1	<1
Copper	ppm	ASTM D5185m	>100	111	96	126
Tin	ppm	ASTM D5185m	>10	6	4	7
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

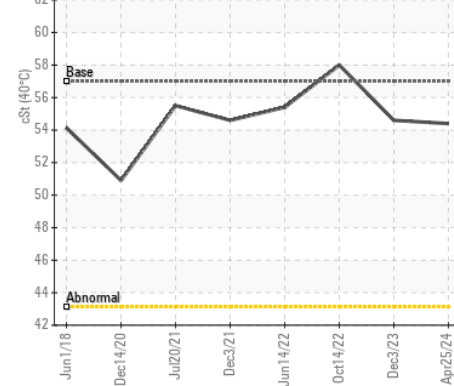
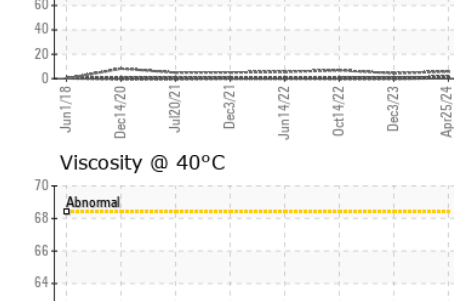
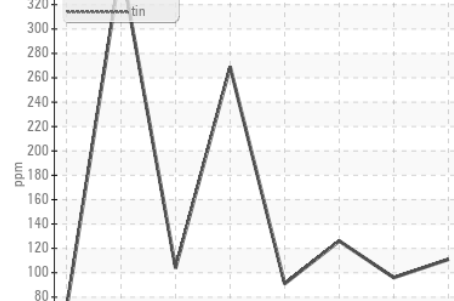
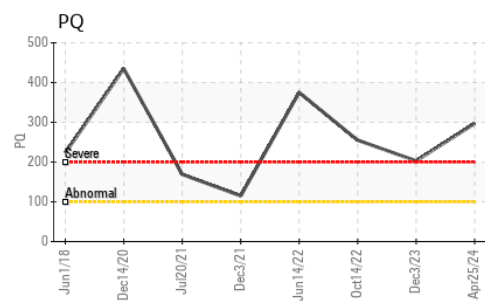
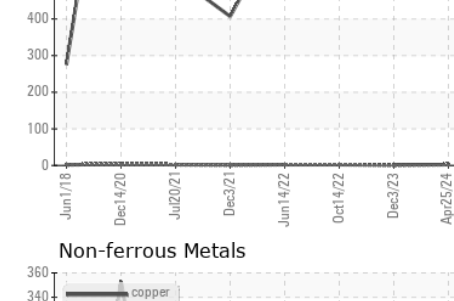
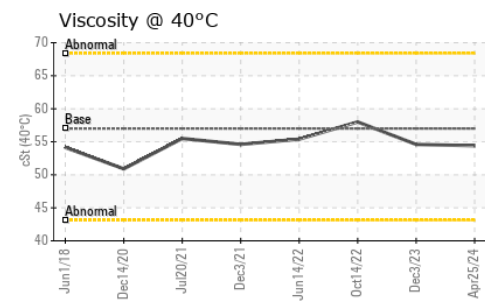
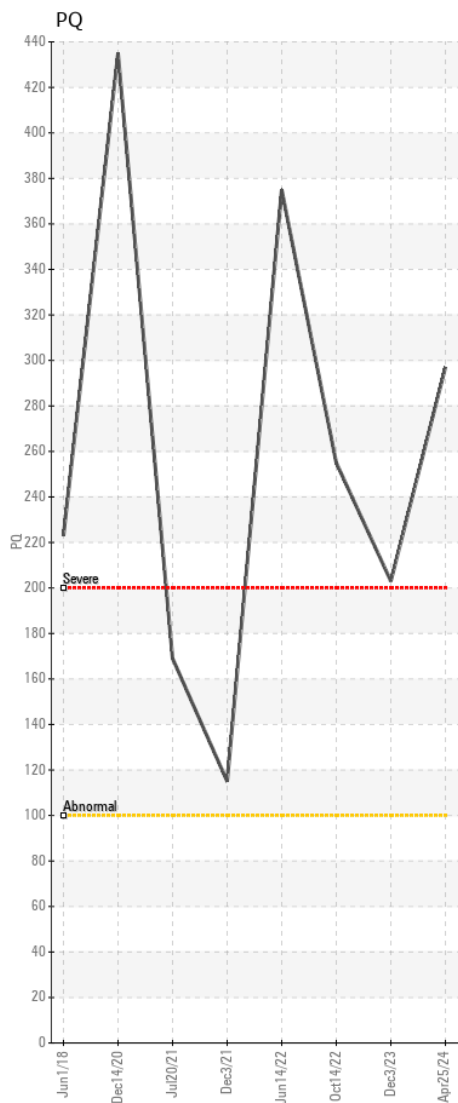
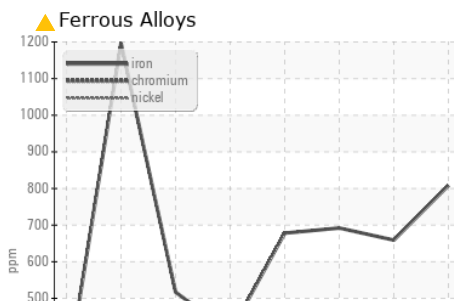
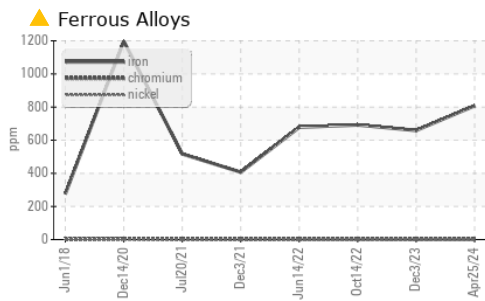
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	9	11	13
Potassium	ppm	ASTM D5185m	>20	0	0	0
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		3	1	1
Boron	ppm	ASTM D5185m	6	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	3	2	2
Manganese	ppm	ASTM D5185m		10	7	8
Magnesium	ppm	ASTM D5185m	145	110	106	90
Calcium	ppm	ASTM D5185m	3570	3687	3482	3352
Phosphorus	ppm	ASTM D5185m	1290	1081	905	902
Zinc	ppm	ASTM D5185m	1640	1303	1230	1207
Sulfur	ppm	ASTM D5185m		4227	3518	3649
Visc @ 40°C	cSt	ASTM D445	57.0	54.4	54.6	58.0



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207058 **Received** : 26 Apr 2024
Lab Number : 06161729 **Tested** : 28 Apr 2024
Unique Number : 10997152 **Diagnosed** : 29 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)