



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[47720]
 Machine Id
JOHN DEERE 260E PM051775 (S/N 1DW260ETPJF688614)
 Component
Center Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225684	JR0210291	JR0187759
Sample Date		Client Info		10 Jul 2024	08 Mar 2024	25 Sep 2023
Machine Age	hrs	Client Info		5970	5461	4956
Oil Age	hrs	Client Info		4880	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Not Changd
Filter Changed		Client Info		Changed	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		208	232	142
Iron	ppm	ASTM D5185m	>500	555	443	387
Chromium	ppm	ASTM D5185m	>10	2	2	1
Nickel	ppm	ASTM D5185m	>10	2	2	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	4
Lead	ppm	ASTM D5185m	>25	<1	<1	3
Copper	ppm	ASTM D5185m	>100	▲ 548	▲ 376	▲ 310
Tin	ppm	ASTM D5185m	>10	12	10	9
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

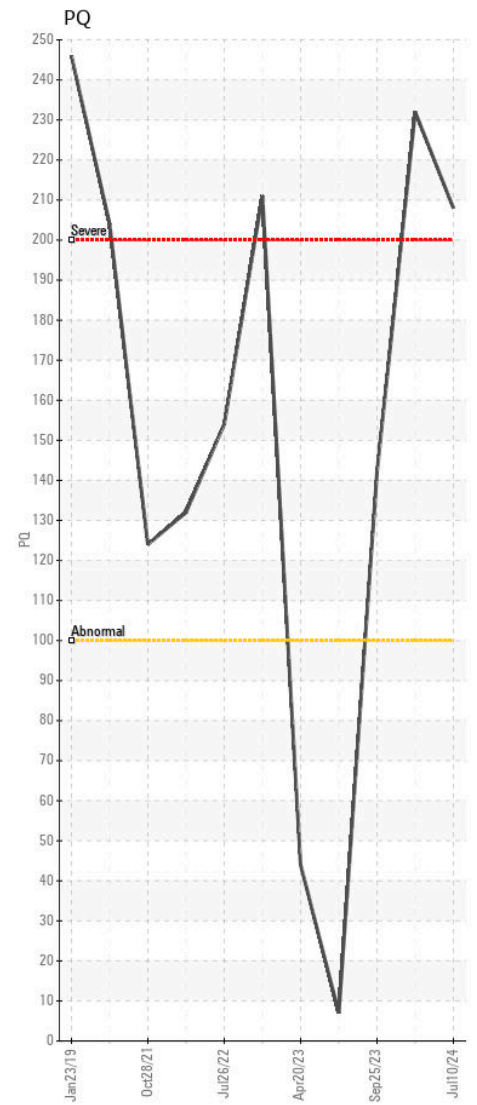
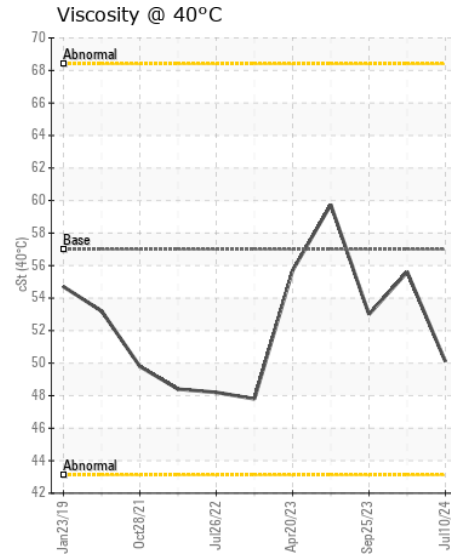
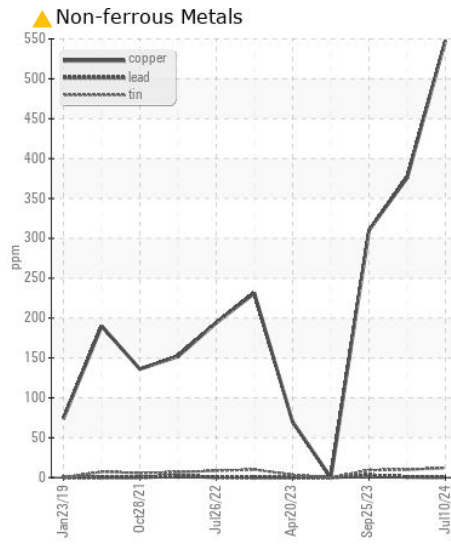
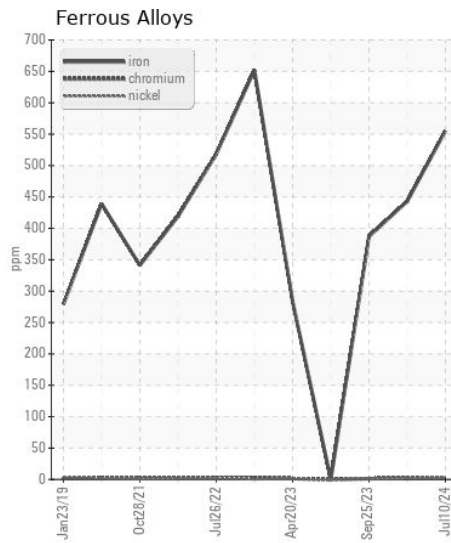
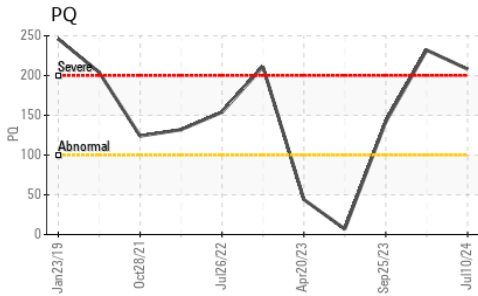
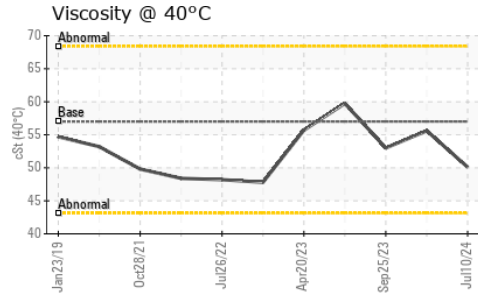
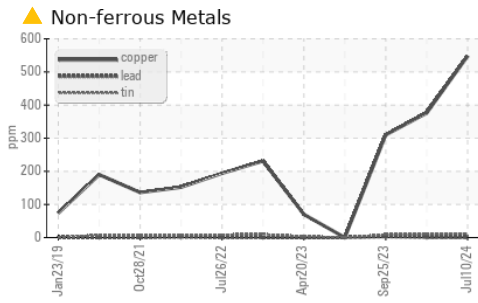
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	12	11	10
Potassium	ppm	ASTM D5185m	>20	5	3	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	>.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		0	2	2
Boron	ppm	ASTM D5185m	6	9	8	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	3	2	2
Manganese	ppm	ASTM D5185m		8	8	7
Magnesium	ppm	ASTM D5185m	145	86	81	93
Calcium	ppm	ASTM D5185m	3570	3600	3086	3347
Phosphorus	ppm	ASTM D5185m	1290	1058	945	1026
Zinc	ppm	ASTM D5185m	1640	1281	1145	1258
Sulfur	ppm	ASTM D5185m		3567	3797	3571
Visc @ 40°C	cSt	ASTM D445	57.0	50.1	55.6	53.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225684 **Received** : 11 Jul 2024
Lab Number : 06233509 **Tested** : 12 Jul 2024
Unique Number : 11117002 **Diagnosed** : 13 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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)

HERITAGE SITE DEVELOPMENT

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