



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 700K 1T0700KXTHF315362
Component
Left Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222505	JR0197449	JR0186324
Sample Date		Client Info		14 Jun 2024	07 Dec 2023	24 Aug 2023
Machine Age	hrs	Client Info		8655	7805	7373
Oil Age	hrs	Client Info		8223	432	759
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	54	102	14
Iron	ppm	ASTM D5185m	>750	185	292	11
Chromium	ppm	ASTM D5185m	>9	3	5	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	14	19	2
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

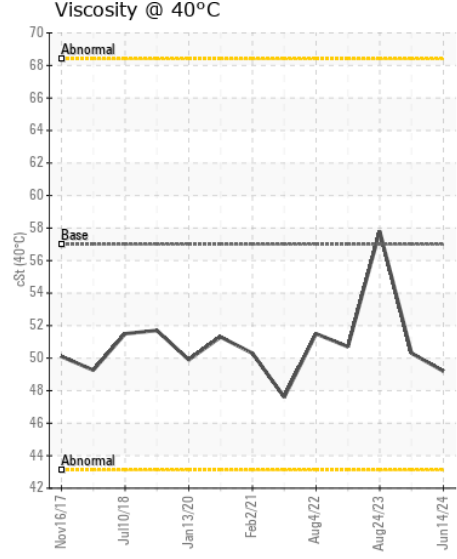
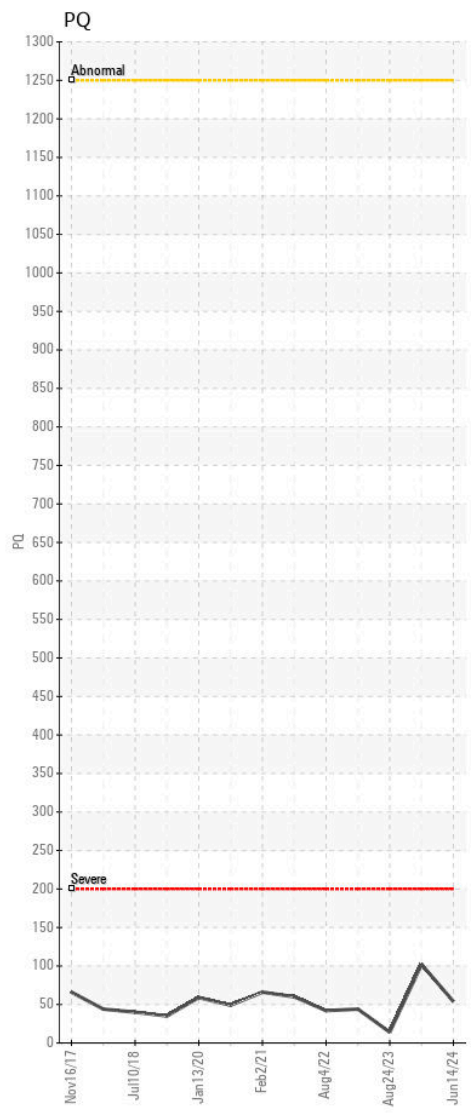
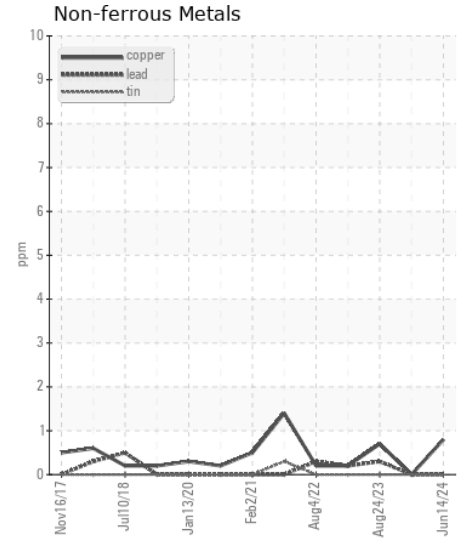
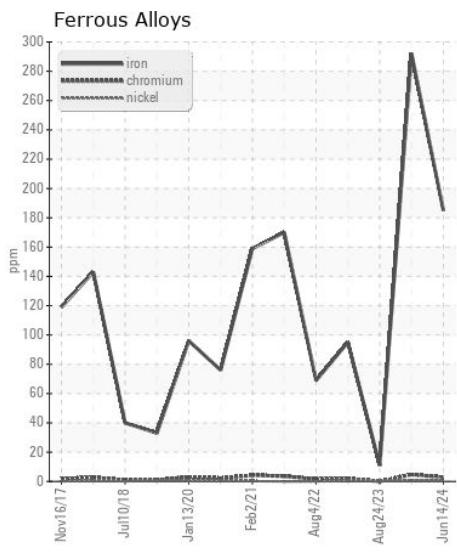
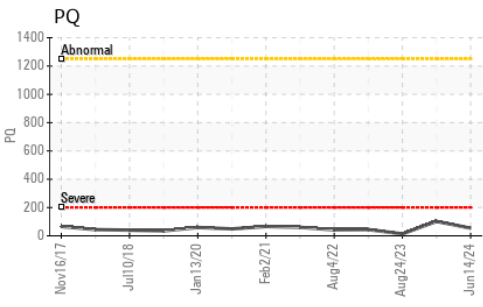
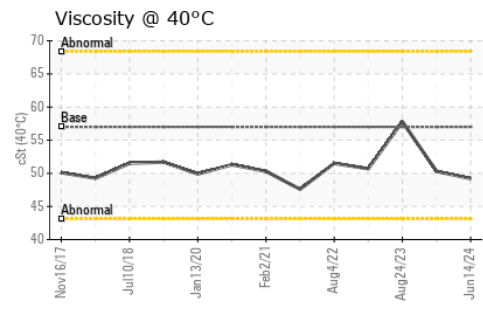
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	45	62	5
Potassium	ppm	ASTM D5185m	>20	4	1	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	4	<1	0
Boron	ppm	ASTM D5185m	6	3	3	0
Barium	ppm	ASTM D5185m	0	0	0	1
Molybdenum	ppm	ASTM D5185m	0	1	2	<1
Manganese	ppm	ASTM D5185m		3	3	<1
Magnesium	ppm	ASTM D5185m	145	101	107	99
Calcium	ppm	ASTM D5185m	3570	3485	3344	3676
Phosphorus	ppm	ASTM D5185m	1290	1043	1015	1022
Zinc	ppm	ASTM D5185m	1640	1206	1203	1281
Sulfur	ppm	ASTM D5185m		3952	3487	3982
Visc @ 40°C	cSt	ASTM D445	57.0	49.2	50.3	57.8



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222505 **Received** : 17 Jun 2024
Lab Number : 06212033 **Tested** : 18 Jun 2024
Unique Number : 11084897 **Diagnosed** : 18 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

MONTAGUE DEVELOPMENT
 10305 PENNY RD
 RALEIGH, NC
 US 27606
 Contact: Mark Fielding

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)

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