



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

BURKEVILLE

Machine Id

JOHN DEERE 300D M01-0305 1DW300DXECE650170

Component

Rear Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (4 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224920	JRMC412103	LECP160755
Sample Date		Client Info		02 Jul 2024	21 Mar 2016	18 Sep 2015
Machine Age	hrs	Client Info		12271	2748	2560
Oil Age	hrs	Client Info		0	0	1993
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	42	57.0	44.0
Iron	ppm	ASTM D5185m	>750	44	176	139
Chromium	ppm	ASTM D5185m	>9	<1	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	3	2
Lead	ppm	ASTM D5185m	>15	0	<1	<1
Copper	ppm	ASTM D5185m	>40	17	37	31
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	MODER	VHEVY	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	VHEVY

CONTAMINATION

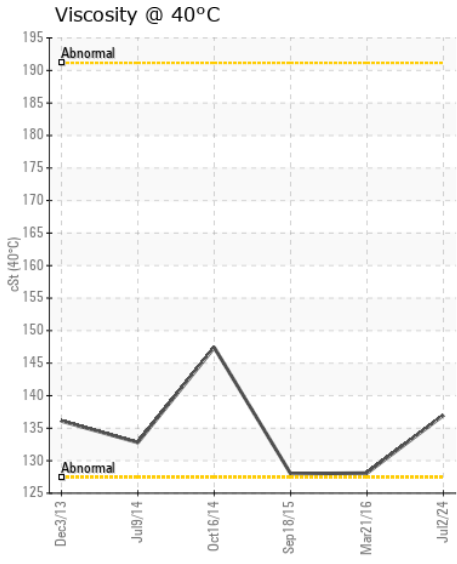
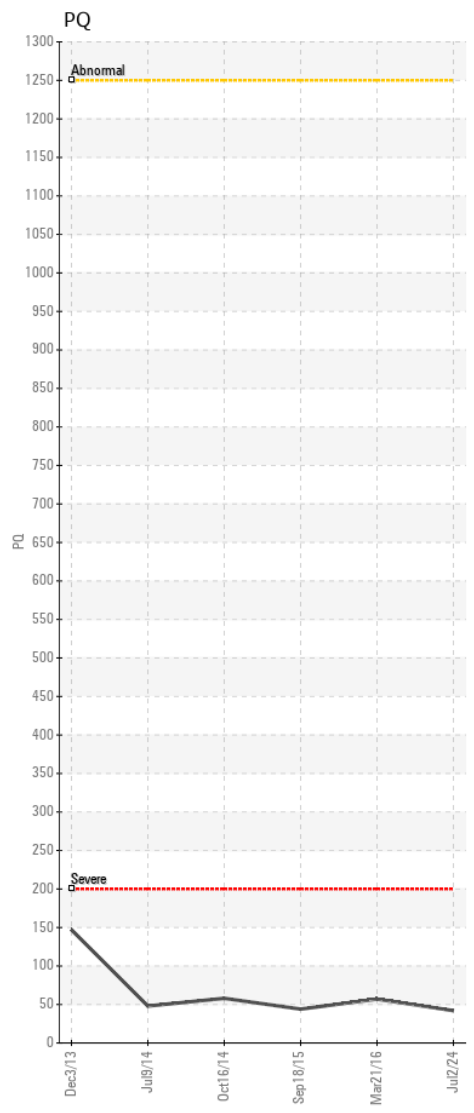
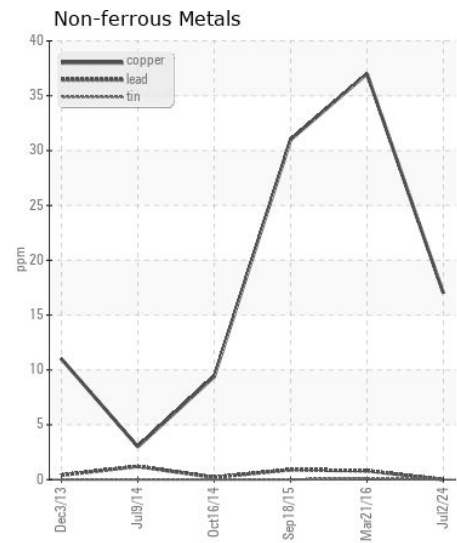
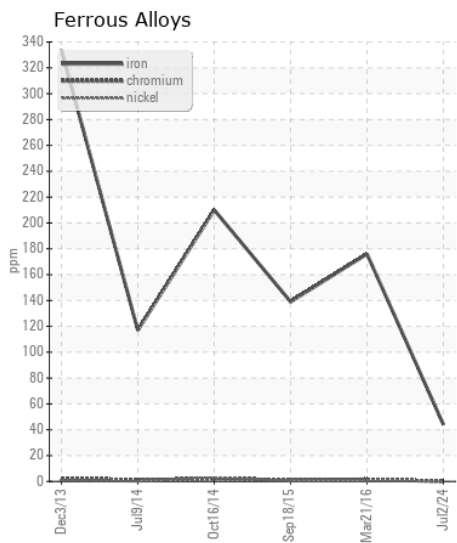
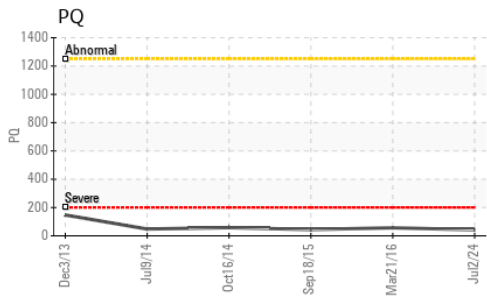
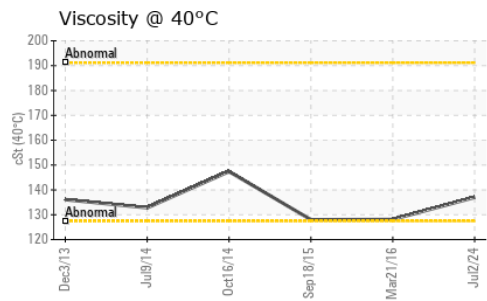
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	3	3	2
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	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	2	2	2
Boron	ppm	ASTM D5185m		0	3	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	5	4
Manganese	ppm	ASTM D5185m		<1	4	3
Magnesium	ppm	ASTM D5185m		<1	2	1
Calcium	ppm	ASTM D5185m		13	18	18
Phosphorus	ppm	ASTM D5185m		1250	1256	1238
Zinc	ppm	ASTM D5185m		15	41	38
Sulfur	ppm	ASTM D5185m		30650	21272	21941
Visc @ 40°C	cSt	ASTM D445		137	128.1	128.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224920 **Received** : 05 Jul 2024
Lab Number : 06228962 **Tested** : 08 Jul 2024
Unique Number : 11112455 **Diagnosed** : 08 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LUCK STONE - MILFORD
 19380 RICHMOND TURNPIKE
 MILFORD, VA
 US 22514
 Contact: BRYAN MORRIS
 bmorris@luckstone.com
 T: (804)400-3630
 F: x:

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)