



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[16W15808]

Machine Id

HITACHI 300LC-6N 1FFDDP70CGF840128

Component

Pump Drive

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15808)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206957	JR0196583	JR0185371
Sample Date		Client Info		15 Mar 2024	15 Dec 2023	29 Sep 2023
Machine Age	hrs	Client Info		6967	6529	6157
Oil Age	hrs	Client Info		810	372	1094
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	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	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		23	24	30
Iron	ppm	ASTM D5185m	>500	46	36	130
Chromium	ppm	ASTM D5185m	>15	<1	<1	2
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	5
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>35	<1	0	0
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

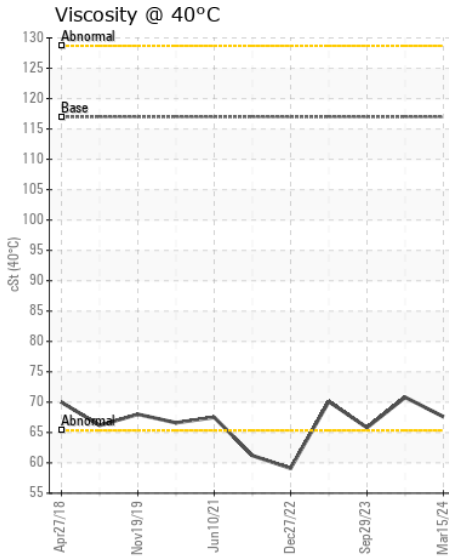
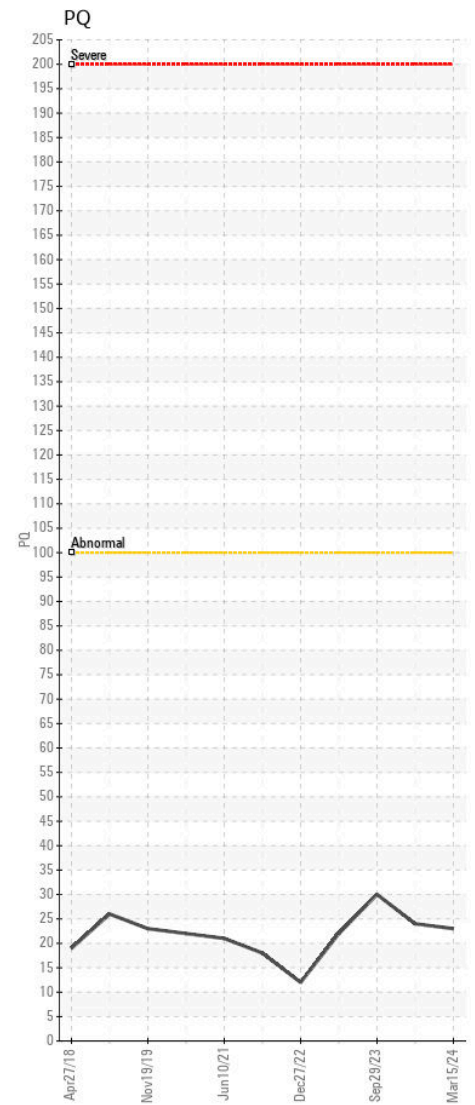
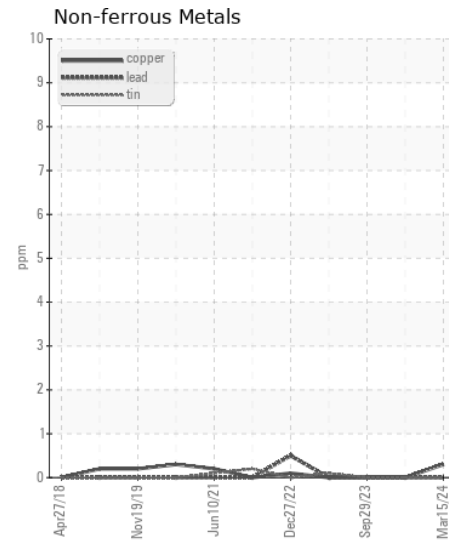
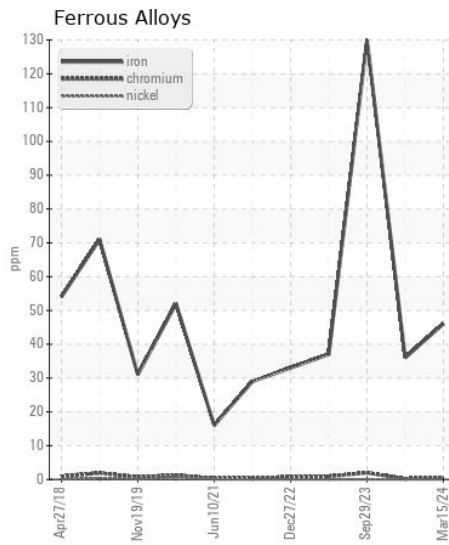
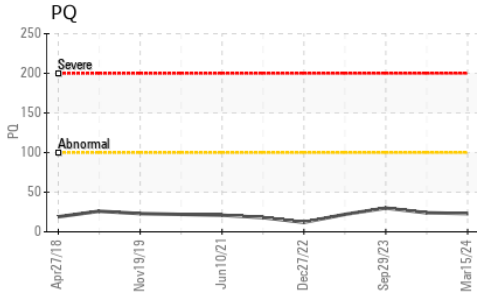
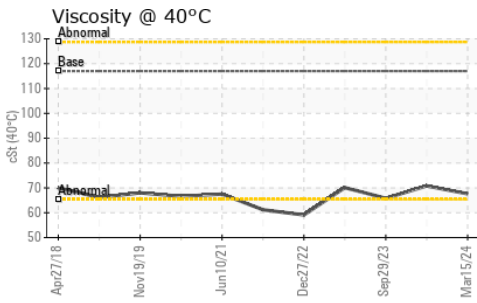
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	14	16	40
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>0.2	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	>0.2	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	3
Boron	ppm	ASTM D5185m		299	298	365
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		253	245	258
Manganese	ppm	ASTM D5185m		<1	<1	3
Magnesium	ppm	ASTM D5185m		798	756	848
Calcium	ppm	ASTM D5185m		1384	1313	1549
Phosphorus	ppm	ASTM D5185m		959	925	993
Zinc	ppm	ASTM D5185m		1088	1006	1109
Sulfur	ppm	ASTM D5185m		3929	3159	3338
Visc @ 40°C	cSt	ASTM D445	117	67.6	70.8	65.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206957 **Received** : 19 Mar 2024
Lab Number : 06122689 **Tested** : 20 Mar 2024
Unique Number : 10936840 **Diagnosed** : 21 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
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 US 27529
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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)