James River Equipment

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 350P 1FF350PATPF000479
Component
Pump Drive
Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

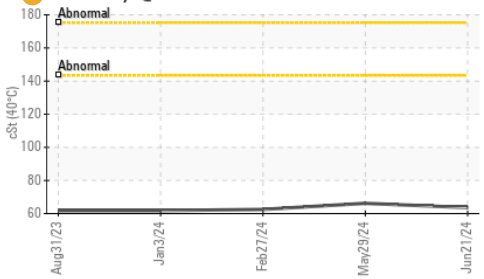
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220735	JR0214104	JR0202511
Sample Date		Client Info		21 Jun 2024	29 May 2024	27 Feb 2024
Machine Age	hrs	Client Info		2007	1549	1028
Oil Age	hrs	Client Info		1486	521	1
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ATTENTION	NORMAL	ABNORMAL
PQ		ASTM D8184		16	17	17
Iron	ppm	ASTM D5185m	>151	54	53	89
Chromium	ppm	ASTM D5185m	>11	<1	<1	3
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	2	3	2
Lead	ppm	ASTM D5185m	>51	0	<1	<1
Copper	ppm	ASTM D5185m	>51	0	0	0
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>31	19	17	▲ 52
Potassium	ppm	ASTM D5185m	>20	1	<1	1
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	2	2	4
Boron	ppm	ASTM D5185m		272	299	51
Barium	ppm	ASTM D5185m		1	<1	0
Molybdenum	ppm	ASTM D5185m		237	237	99
Manganese	ppm	ASTM D5185m		1	1	5
Magnesium	ppm	ASTM D5185m		753	750	9
Calcium	ppm	ASTM D5185m		1580	1570	4431
Phosphorus	ppm	ASTM D5185m		964	950	1223
Zinc	ppm	ASTM D5185m		1035	1050	1482
Sulfur	ppm	ASTM D5185m		4227	3926	8352
Visc @ 40°C	cSt	ASTM D445		63.6	66.2	62.5

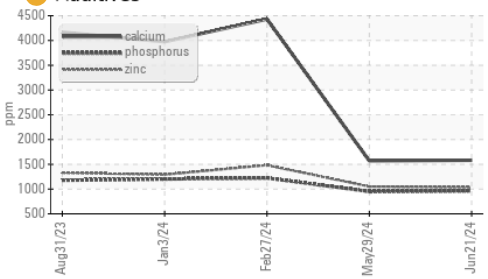
Report Id: RWMNEW [WUSCAR] 06221475 (Generated: 06/28/2024 10:07:21) Rev: 1

Submitted By: Dylan Sanderson

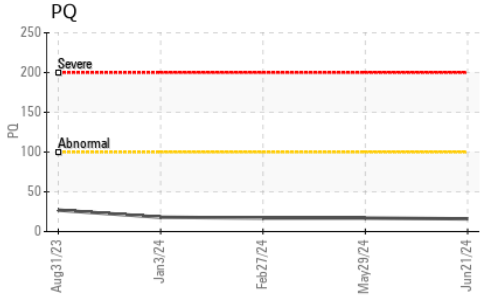
Viscosity @ 40°C



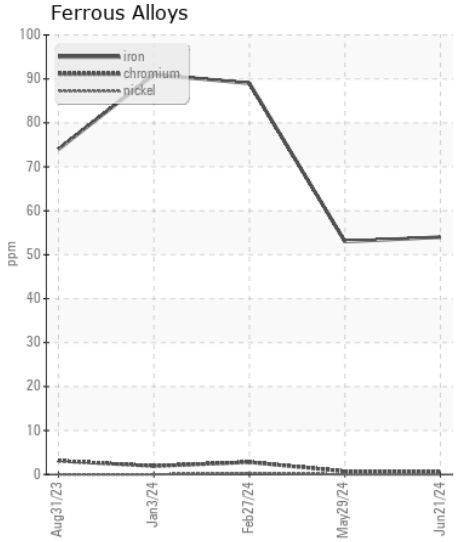
Additives



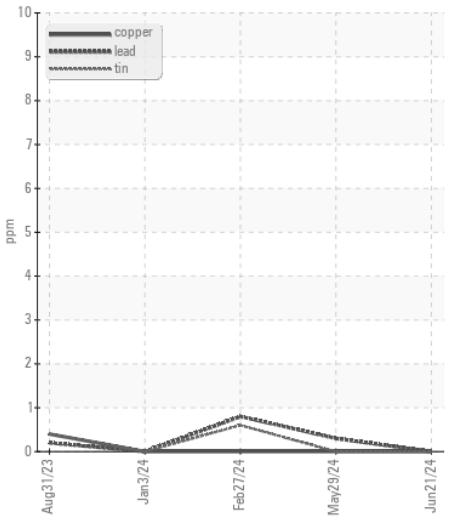
PQ



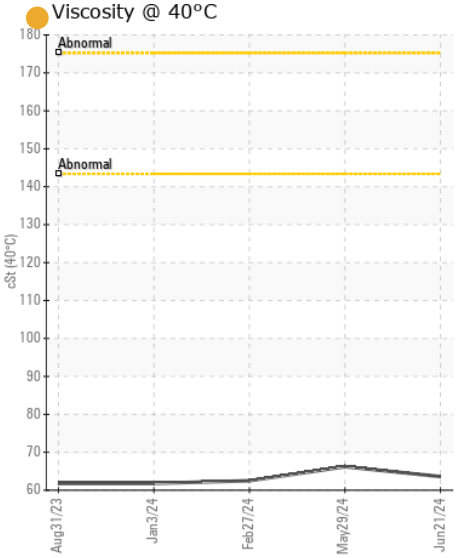
Ferrous Alloys



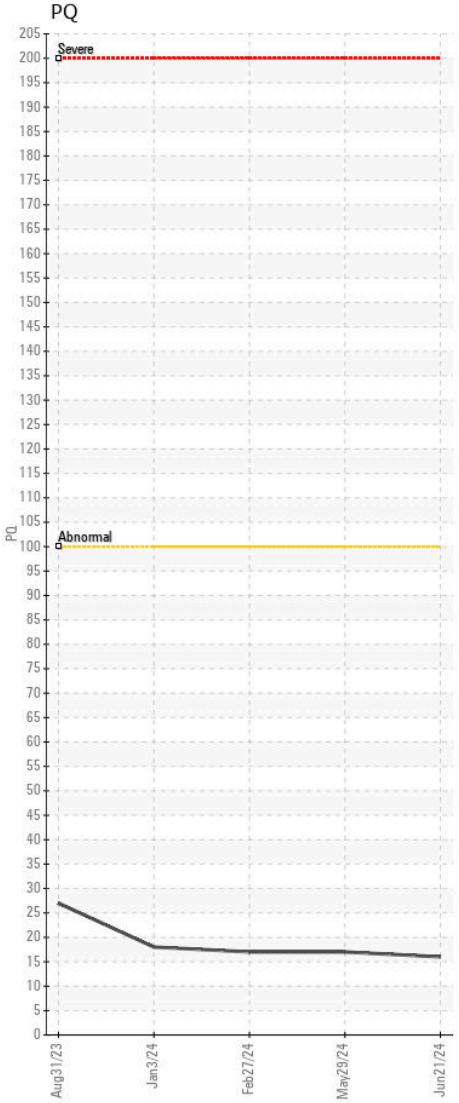
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220735
Lab Number : 06221475
Unique Number : 11099672
Test Package : CONST (Additional Tests: PQ)

Received : 26 Jun 2024
Tested : 27 Jun 2024
Diagnosed : 28 Jun 2024 - Sean Felton

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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