JAMES RIVER EQUIPMENT

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id
JOHN DEERE 317G 1P0317GJHPJ435657
Component
Rear Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

DIAGNOSIS

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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**JR0194437**	---	---
Sample Date		Client Info		**10 Jan 2024**	---	---
Machine Age	hrs	Client Info		**108**	---	---
Oil Age	hrs	Client Info		**108**	---	---
Oil Changed		Client Info		**Not Changd**	---	---
Sample Status				**ATTENTION**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.075	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	**62**	---	---
Iron	ppm	ASTM D5185m	>750	**67**	---	---
Chromium	ppm	ASTM D5185m	>9	**3**	---	---
Nickel	ppm	ASTM D5185m	>10	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m		**0**	---	---
Aluminum	ppm	ASTM D5185m	>40	**<1**	---	---
Lead	ppm	ASTM D5185m	>15	**<1**	---	---
Copper	ppm	ASTM D5185m	>40	**2**	---	---
Tin	ppm	ASTM D5185m	>10	**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

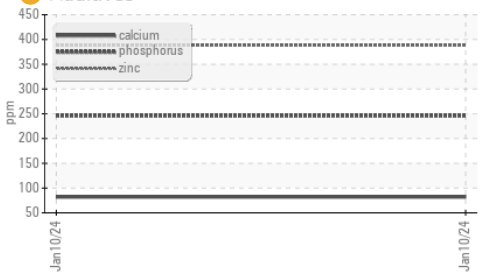
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**2**	---	---
Barium	ppm	ASTM D5185m		**3**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**2**	---	---
Magnesium	ppm	ASTM D5185m		**0**	---	---
Calcium	ppm	ASTM D5185m		**82**	---	---
Phosphorus	ppm	ASTM D5185m		**246**	---	---
Zinc	ppm	ASTM D5185m		**388**	---	---
Sulfur	ppm	ASTM D5185m		**8729**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**6**	---	---
Sodium	ppm	ASTM D5185m	>51	**6**	---	---
Potassium	ppm	ASTM D5185m	>20	**2**	---	---

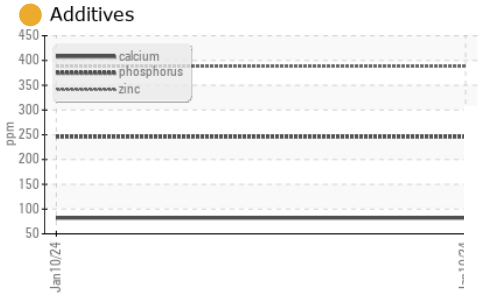
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**MODER**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.075	**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

OIL ANALYSIS REPORT

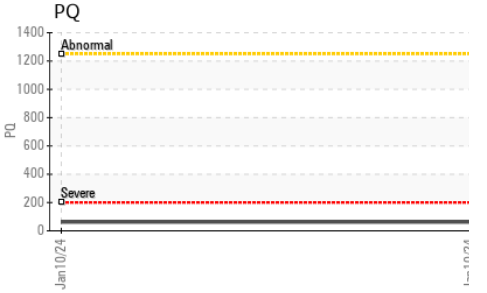
Additives



Additives



PQ

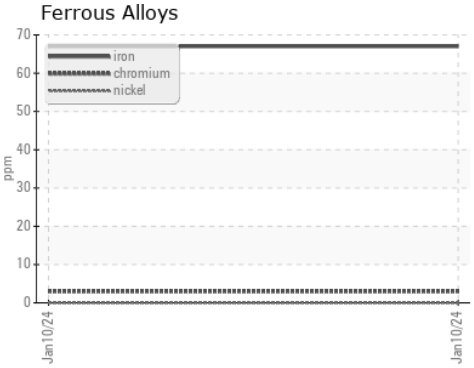


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**43.2**	---	---

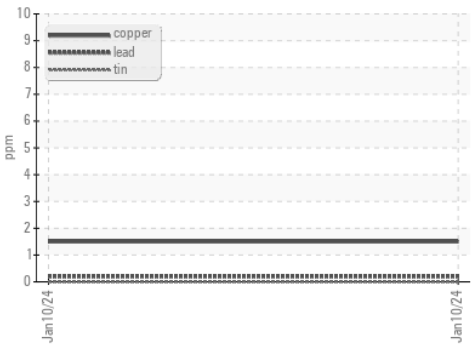
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

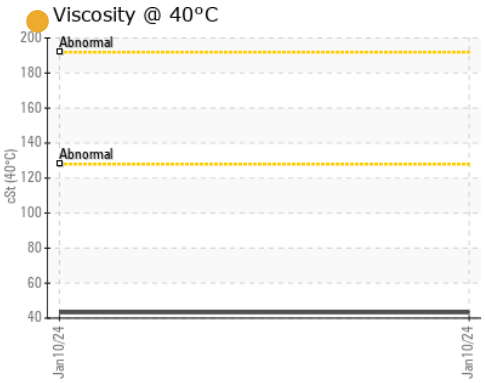
Ferrous Alloys



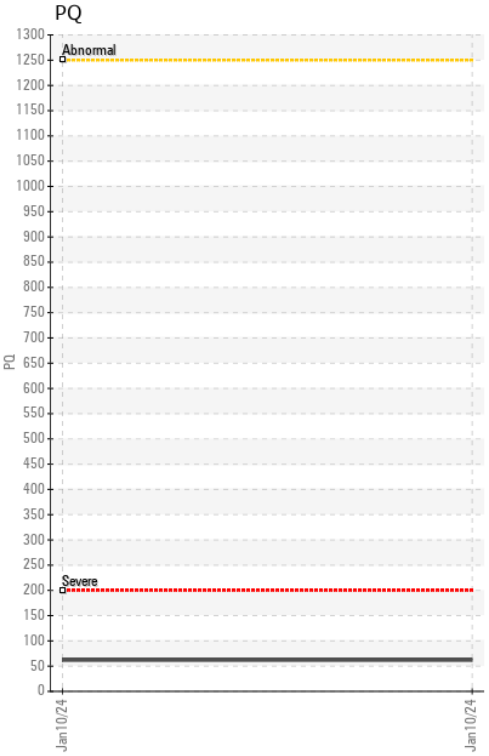
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194437
Lab Number : 06058350
Unique Number : 10829732
Test Package : CONST (Additional Tests: PQ)

Received : 11 Jan 2024
Tested : 12 Jan 2024
Diagnosed : 12 Jan 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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