PROBLEM SUMMARY

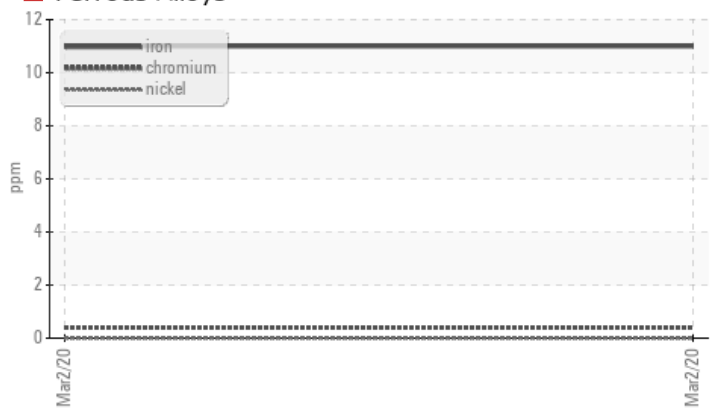
Sample Rating Trend

WEAR

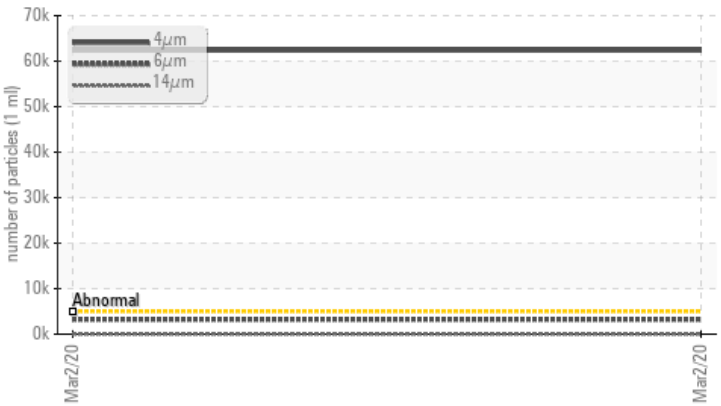
Machine Id
GATES ALADDIN 322 SP
Component
New (Unused) Oil
Fluid
{not provided} (--- QTS)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status				**SEVERE**	---	---
Iron	ppm	ASTM D5185m	>5	▲ **11**	---	---
Particles >4µm		ASTM D7647	>5000	▲ **62355**	---	---
Particles >6µm		ASTM D7647	>1300	▲ **3230**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/19/12**	---	---

Customer Id: BEADEI
Sample No.: WC0430831
Lab Number: 04926918
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id
GATES ALADDIN 322 SP
Component
New (Unused) Oil
Fluid
{not provided} (--- QTS)

DIAGNOSIS

▲ Recommendation
This is a baseline read-out on the submitted sample.

▲ Contamination
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

▲ Fluid Condition
Chlorine content is 226 ppm.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0430831**	---	---
Sample Date		Client Info		**02 Mar 2020**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**SEVERE**	---	---

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

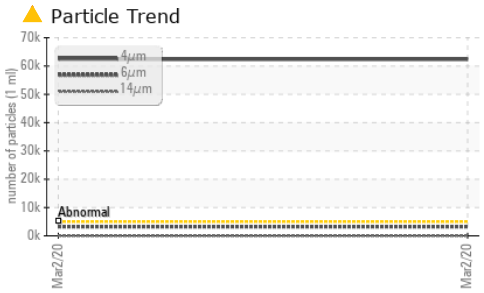
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	▲ **11**	---	---
Chromium	ppm	ASTM D5185m	>5	**<1**	---	---
Nickel	ppm	ASTM D5185m	>5	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m	>5	**<1**	---	---
Aluminum	ppm	ASTM D5185m	>5	**<1**	---	---
Lead	ppm	ASTM D5185m	>5	**0**	---	---
Copper	ppm	ASTM D5185m	>5	**1**	---	---
Tin	ppm	ASTM D5185m	>5	**0**	---	---
Antimony	ppm	ASTM D5185m		**0**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**<1**	---	---

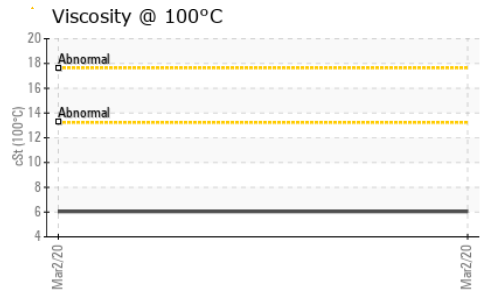
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**9**	---	---
Barium	ppm	ASTM D5185m		**1**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**3**	---	---
Magnesium	ppm	ASTM D5185m		**<1**	---	---
Calcium	ppm	ASTM D5185m		**2**	---	---
Phosphorus	ppm	ASTM D5185m		**848**	---	---
Zinc	ppm	ASTM D5185m		**6**	---	---
Sulfur	ppm	ASTM D5185m		**5452**	---	---

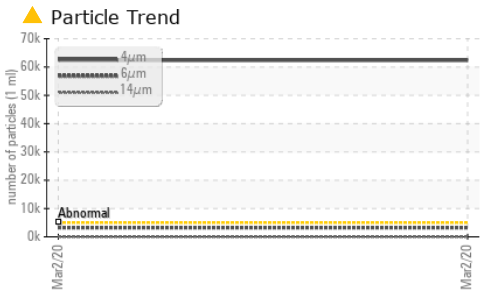
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**<1**	---	---
Sodium	ppm	ASTM D5185m		**3**	---	---
Potassium	ppm	ASTM D5185m	>20	**0**	---	---

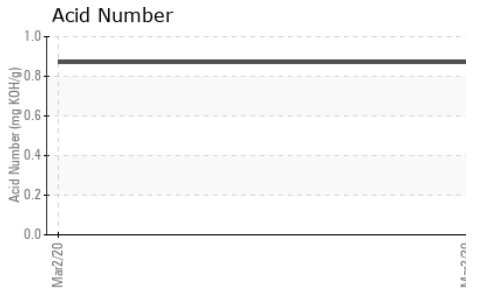
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **62355**	---	---
Particles >6µm		ASTM D7647	>1300	▲ **3230**	---	---
Particles >14µm		ASTM D7647	>160	**21**	---	---
Particles >21µm		ASTM D7647	>40	**5**	---	---
Particles >38µm		ASTM D7647	>10	**0**	---	---
Particles >71µm		ASTM D7647	>3	**0**	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/19/12**	---	---

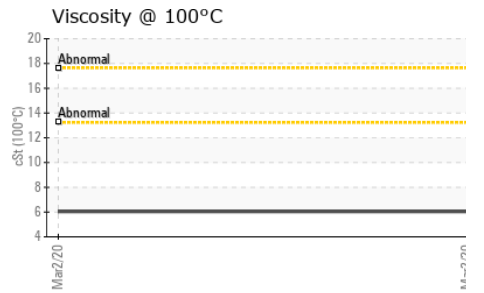
OIL ANALYSIS REPORT







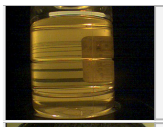




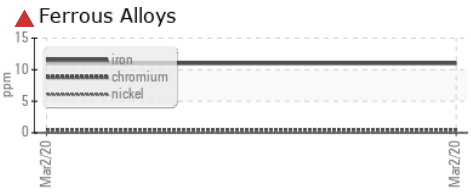
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.871**	---	---

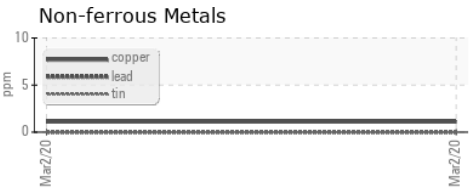
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	---	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	---	---
Precipitate	scalar	*Visual	NONE	**NONE**	---	---
Silt	scalar	*Visual	NONE	**NONE**	---	---
Debris	scalar	*Visual	NONE	**NONE**	---	---
Sand/Dirt	scalar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

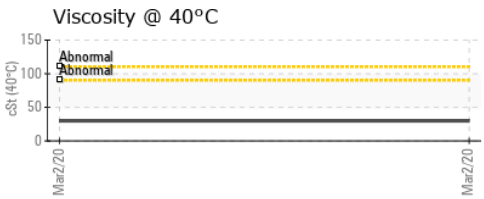
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**29.87**	---	---
Visc @ 100°C	cSt	ASTM D445		**6.04**	---	---
Viscosity Index (VI)	Scale	ASTM D2270		**154**	---	---

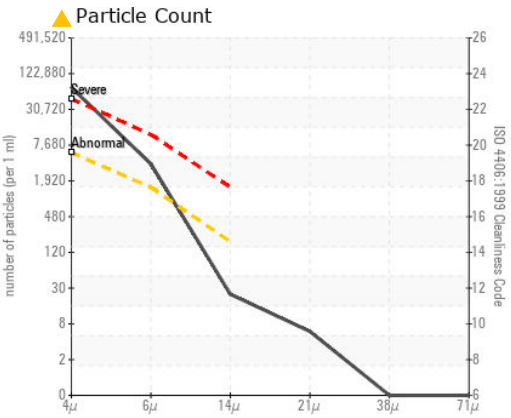
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

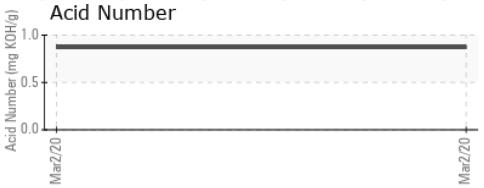
GRAPHS











Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0430831 **Received** : 05 Mar 2020
Lab Number : 04926918 **Tested** : 06 Mar 2020
Unique Number : 8947010 **Diagnosed** : 06 Mar 2020 - Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, PrtCount, VI, XRF)

Certificate L2367

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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)