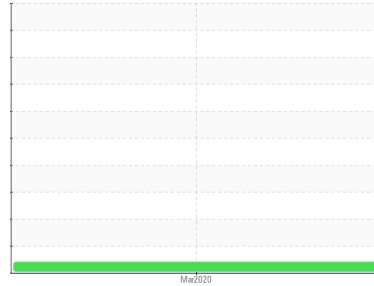




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



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 moderate amount of silt (particulates < 6 microns in size) present in the oil.

Fluid Condition

Chlorine content is 0 ppm.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0430828	---	---
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				ATTENTION	---	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>5	2	---	---
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	---	---

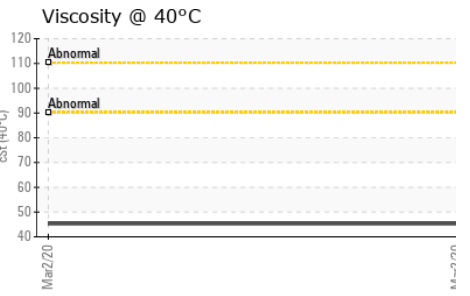
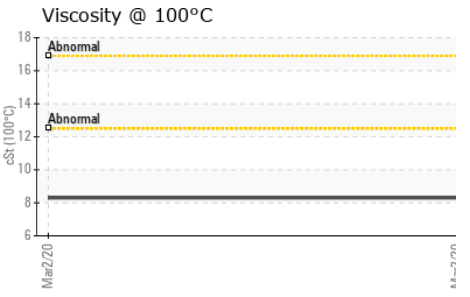
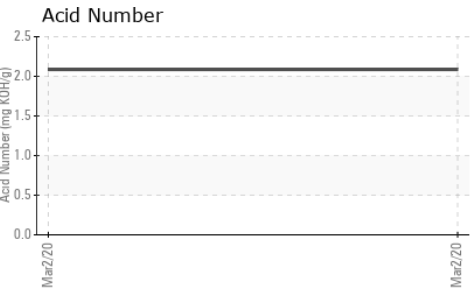
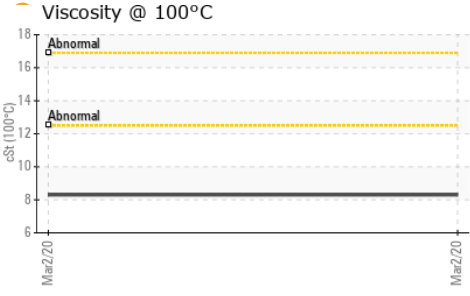
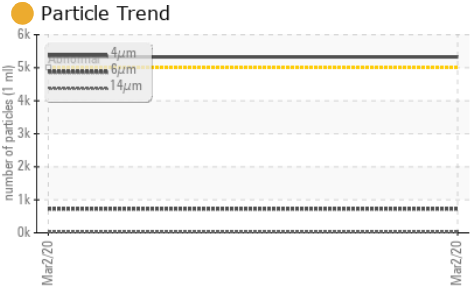
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		3	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		5	---	---
Calcium	ppm	ASTM D5185m		34	---	---
Phosphorus	ppm	ASTM D5185m		3993	---	---
Zinc	ppm	ASTM D5185m		38	---	---
Sulfur	ppm	ASTM D5185m		10390	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	---	---
Sodium	ppm	ASTM D5185m		2	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	5327	---	---
Particles >6µm		ASTM D7647	>1300	727	---	---
Particles >14µm		ASTM D7647	>160	20	---	---
Particles >21µm		ASTM D7647	>40	8	---	---
Particles >38µm		ASTM D7647	>10	0	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/17/11	---	---



OIL ANALYSIS REPORT



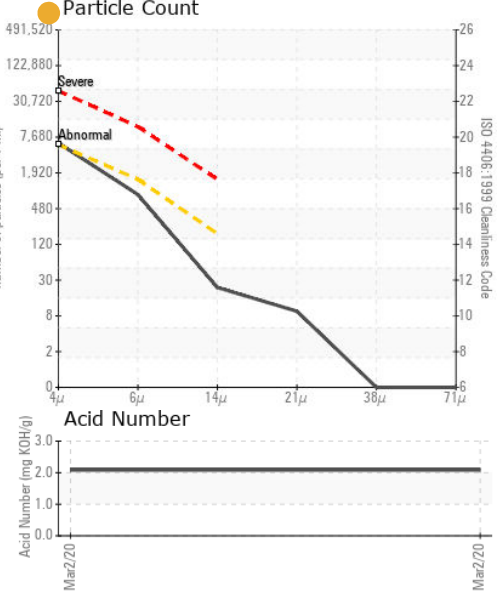
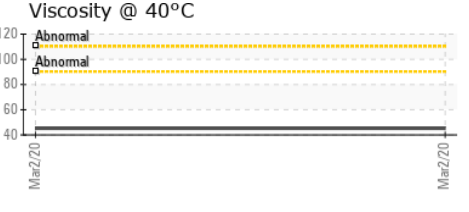
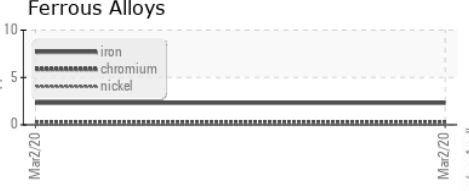
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.087	---	---

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		45.27	---	---
Visc @ 100°C	cSt	ASTM D445		8.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270		160	---	---

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. : WC0430828 **Received** : 05 Mar 2020
Lab Number : 04926919 **Tested** : 06 Mar 2020
Unique Number : 8947011 **Diagnosed** : 06 Mar 2020 - Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, VI, XRF)

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 T: (814)734-7535
 F: (814)734-3460

Certificate L2367
 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)