



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
INFINITI EX35 4624 8M357709

Component
Gasoline Engine

Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done.

WEAR

Cylinder, crank, or cam shaft wear is indicated.

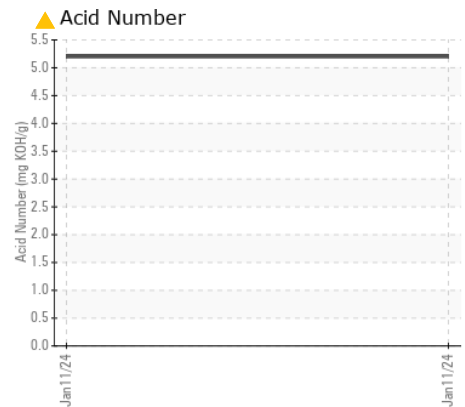
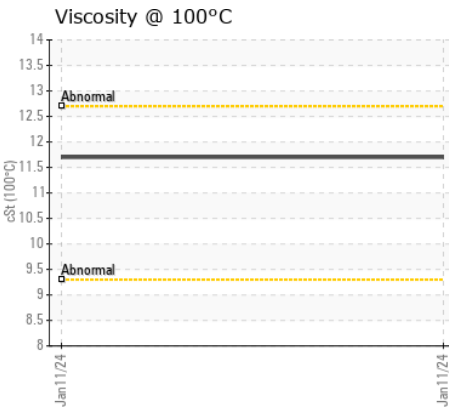
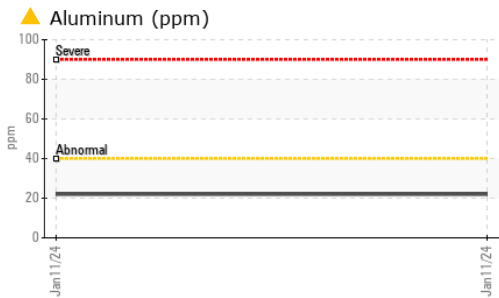
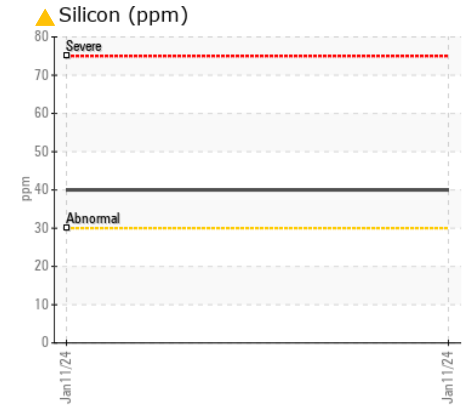
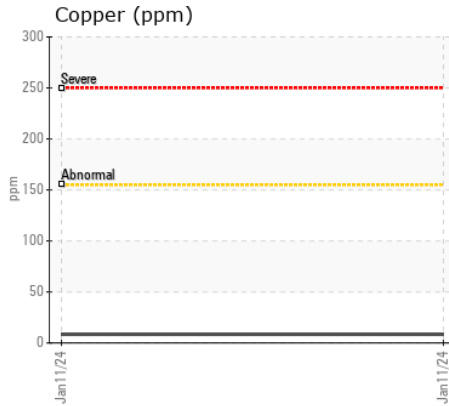
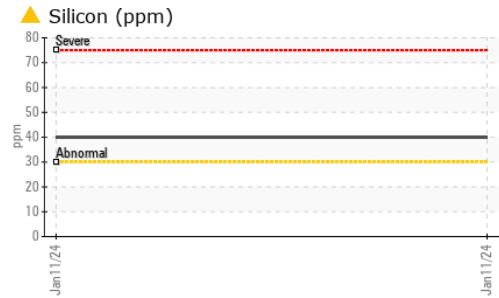
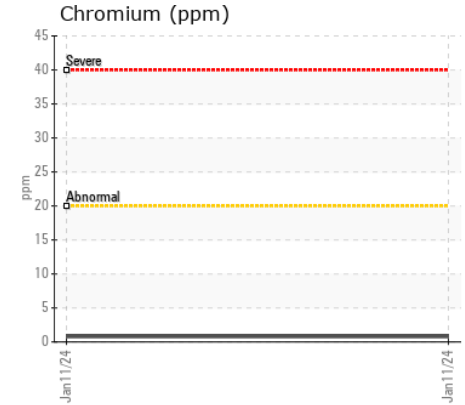
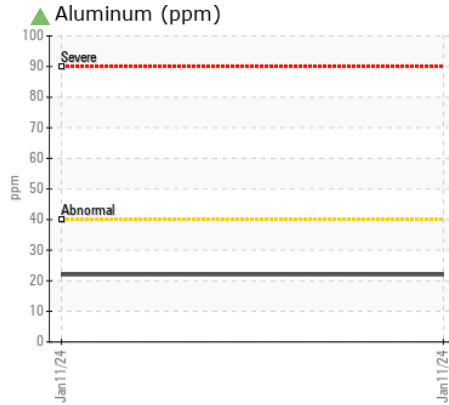
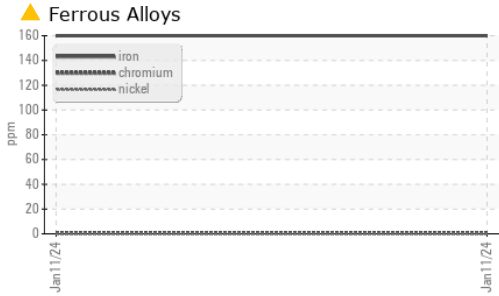
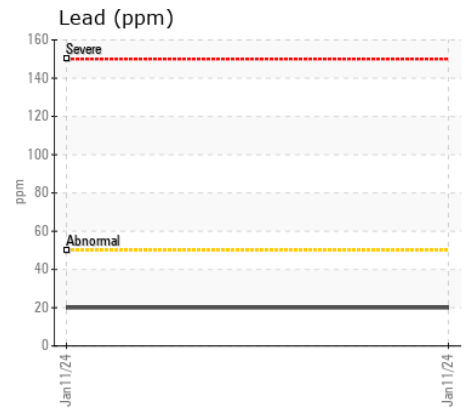
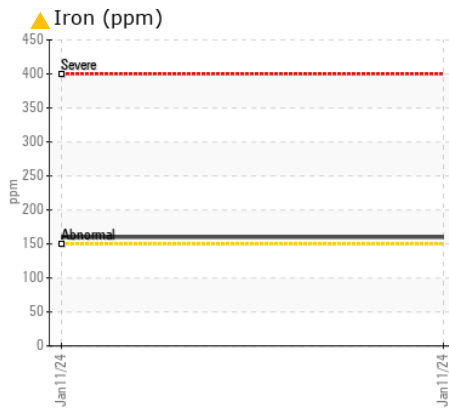
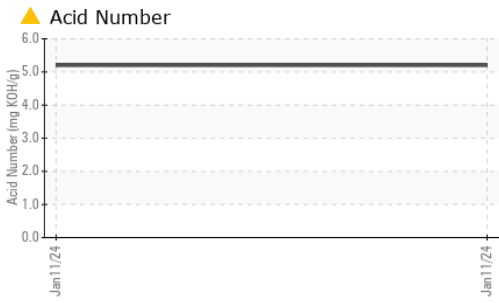
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The AN level is at the top-end of the recommended limit. The oil is no longer serviceable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0641370	---	---
Sample Date		Client Info		11 Jan 2024	---	---
Machine Age	mls	Client Info		0	---	---
Oil Age	mls	Client Info		0	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>150	▲ 160	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>5	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>40	▲ 22	---	---
Lead	ppm	ASTM D5185m	>50	20	---	---
Copper	ppm	ASTM D5185m	>155	8	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		3	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>30	▲ 40	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	16.2	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.2	---	---
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	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185m	>400	6	---	---
Boron	ppm	ASTM D5185m		14	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		37	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		355	---	---
Calcium	ppm	ASTM D5185m		1328	---	---
Phosphorus	ppm	ASTM D5185m		698	---	---
Zinc	ppm	ASTM D5185m		905	---	---
Sulfur	ppm	ASTM D5185m		2787	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	34.6	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		▲ 5.20	---	---
Visc @ 100°C	cSt	ASTM D445		11.7	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0641370 **Received** : 16 Jan 2024
Lab Number : 06062154 **Diagnosed** : 18 Jan 2024
Unique Number : 10833536 **Diagnostician** : Jonathan Hester
Test Package : MOB 2

DAVIDSONVILLE TECH
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 DAVIDSONVILLE, MD
 US 21035
 Contact: CHRIS ARNOLD
 cca1406@yahoo.com

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)

T: x:

F: x: