



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
Leroi Air Compressor # 2 (S/N 422GX259)
 Component
Air Compressor
 Fluid
GARDNER DENVER AEON 9000 SP (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0718300	WC0491530	---
Sample Date		Client Info		10 Oct 2022	21 Jan 2021	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	1	---
Chromium	ppm	ASTM D5185m	>4	0	0	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>10	0	0	---
Lead	ppm	ASTM D5185m	>20	0	<1	---
Copper	ppm	ASTM D5185m	>40	▲ 50	8	---
Tin	ppm	ASTM D5185m	>5	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

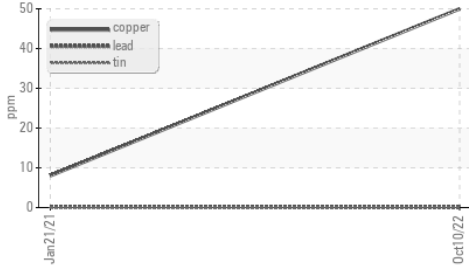
Silicon	ppm	ASTM D5185m	>25	<1	<1	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Water		WC Method	>0.6	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG	---

FLUID CONDITION

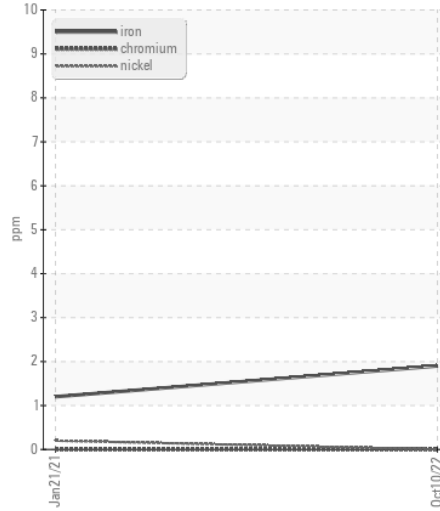
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	31	---
Boron	ppm	ASTM D5185m	0	0	<1	---
Barium	ppm	ASTM D5185m	0	1	0	---
Molybdenum	ppm	ASTM D5185m	0	0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m	0	<1	11	---
Calcium	ppm	ASTM D5185m	0	0	19	---
Phosphorus	ppm	ASTM D5185m	800	329	577	---
Zinc	ppm	ASTM D5185m	0	38	67	---
Sulfur	ppm	ASTM D5185m	0	1407	266	---
Acid Number (AN)	mg KOH/g	ASTM D8045	.170	0.30	0.271	---
Visc @ 40°C	cSt	ASTM D445	49.01	51.7	47.6	---

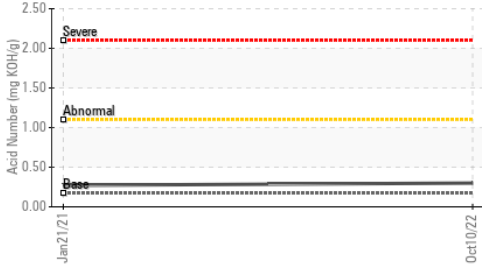
▲ Non-ferrous Metals



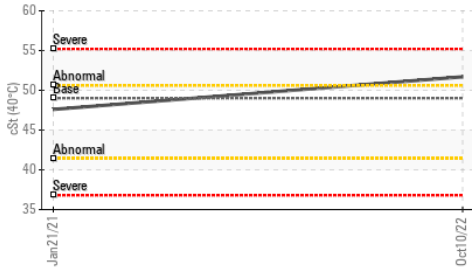
Ferrous Alloys



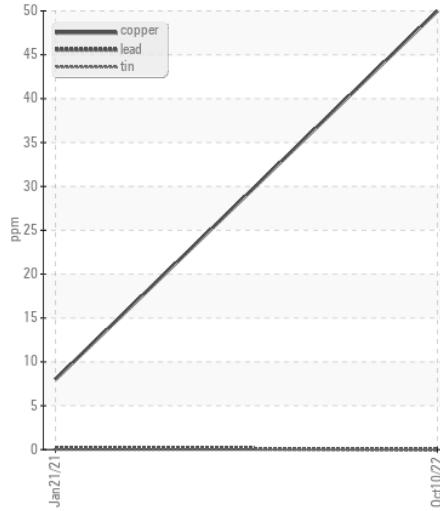
Acid Number



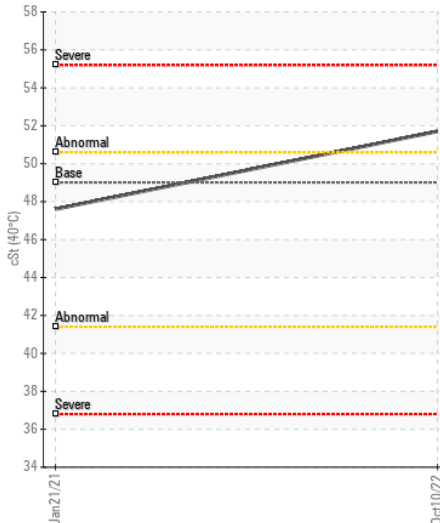
Viscosity @ 40°C



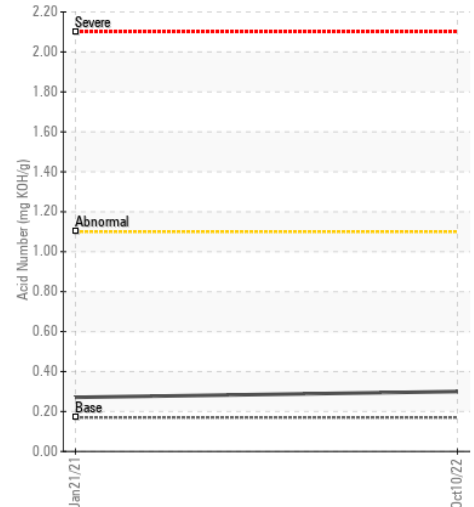
▲ Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0718300 **Received** : 20 Oct 2022
Lab Number : 05671712 **Tested** : 24 Oct 2022
Unique Number : 10181282 **Diagnosed** : 24 Oct 2022 - Doug Bogart
Test Package : PLANT

AMERICAN TRIM
 317 KREIN AVE
 WAPAKONETA, OH
 US 45895

Contact: Ines Koschalk
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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)