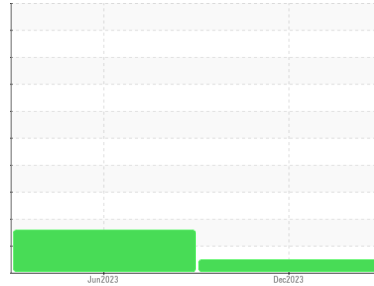




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
CARLYLE LY04 SHELF
 Component
Refrigeration Compressor
 Fluid
POE 68 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0847195	WC0736127	---
Sample Date	Client Info		13 Dec 2023	15 Jun 2023	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			NORMAL	MARGINAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >8	2	6	---
Chromium	ppm	ASTM D5185m >2	0	0	---
Nickel	ppm	ASTM D5185m	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >3	1	0	---
Lead	ppm	ASTM D5185m >2	0	<1	---
Copper	ppm	ASTM D5185m >8	<1	<1	---
Tin	ppm	ASTM D5185m >4	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m	<1	0	---
Calcium	ppm	ASTM D5185m	0	0	---
Phosphorus	ppm	ASTM D5185m	0	0	---
Zinc	ppm	ASTM D5185m	0	0	---
Sulfur	ppm	ASTM D5185m	0	0	---

CONTAMINANTS

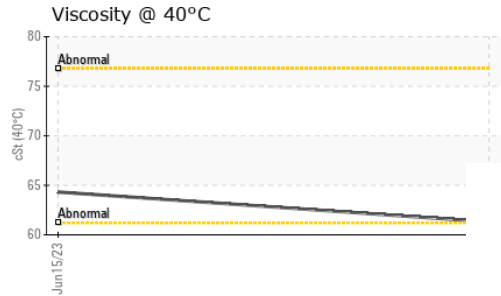
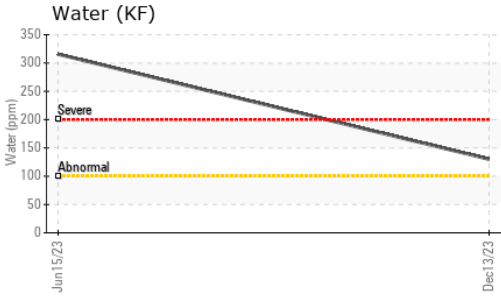
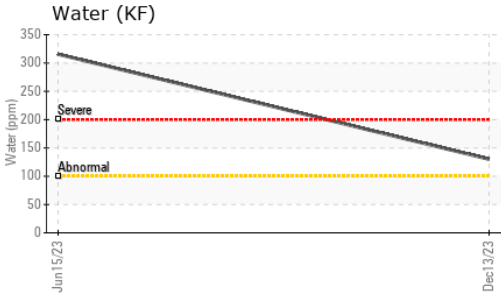
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	4	8	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	0	<1	---
Water	%	ASTM D6304 >0.01	0.013	▲ 0.031	---
ppm Water	ppm	ASTM D6304 >100	130	▲ 315.5	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974	0.027	0.015	---



OIL ANALYSIS REPORT



PARAMETER	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	>0.01	NEG	---
Free Water		scalar	*Visual		NEG	---

PARAMETER	FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		61.3	64.32	---

PARAMETER	SAMPLE IMAGES	method	limit/base	current	history1	history2
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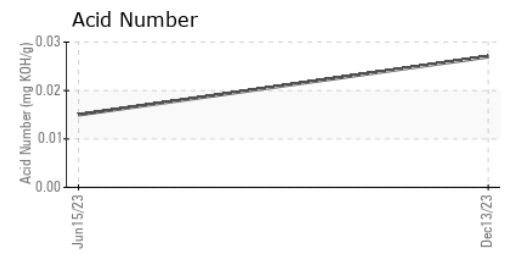
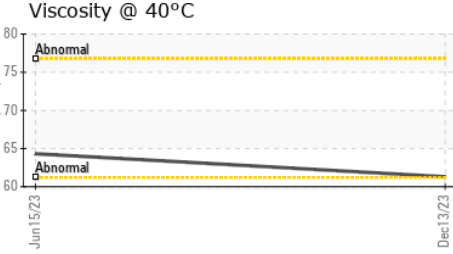
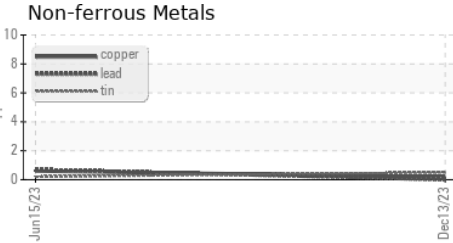
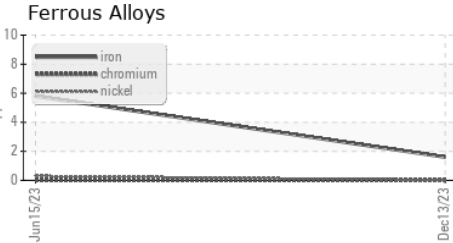
Color

no image

Bottom

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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0847195 Recieved : 10 Jan 2024
 Lab Number : 06056781 Diagnosed : 11 Jan 2024
 Unique Number : 10822730 Diagnostician : Doug Bogart
 Test Package : IND 2

AAA ENERGY SERVICES
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 SCARBOROUGH, ME
 US 04074
 Contact: CHRIS WASSON
 cwasson@aaaenergy.com
 T: (207)883-1473
 F: x:

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)