

Machine Id
Watkins 1
Component
Compressor
Fluid
GULF COMPRESSOR SS 150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0103427	PCA0111949	PCA0077669
Sample Date		Client Info		02 Jan 2024	04 Dec 2023	01 Feb 2023
Machine Age	hrs	Client Info		99972	99277	91903
Oil Age	hrs	Client Info		23403	22708	15334
Filter Age	hrs	Client Info		23403	22708	8236
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	3	3
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	0
Lead	ppm	ASTM D5185m	>25	0	<1	<1
Copper	ppm	ASTM D5185m	>50	0	<1	0
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

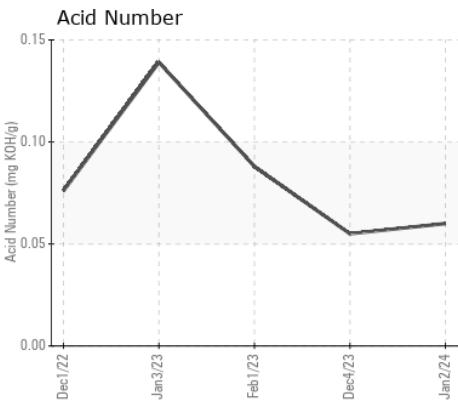
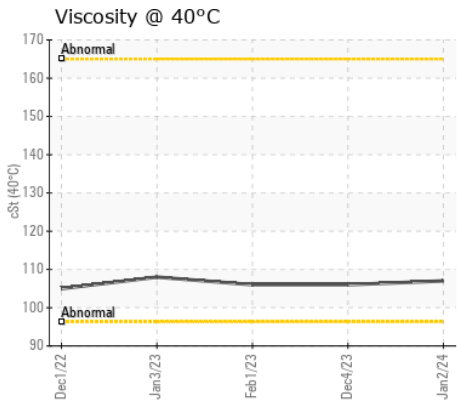
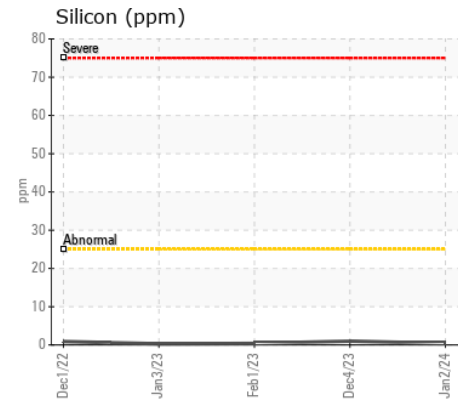
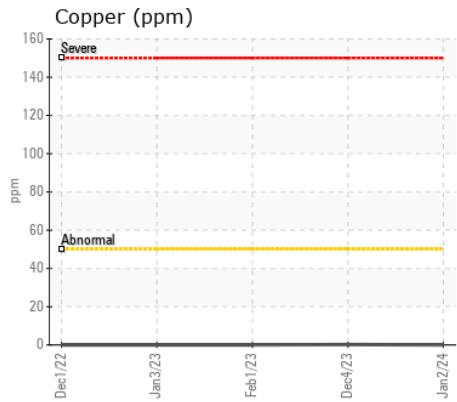
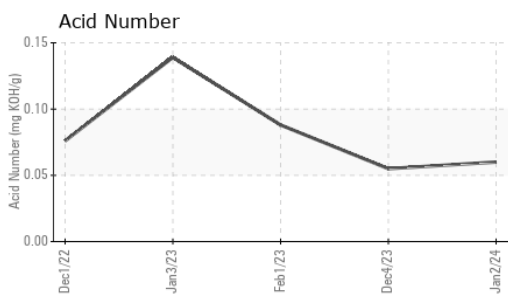
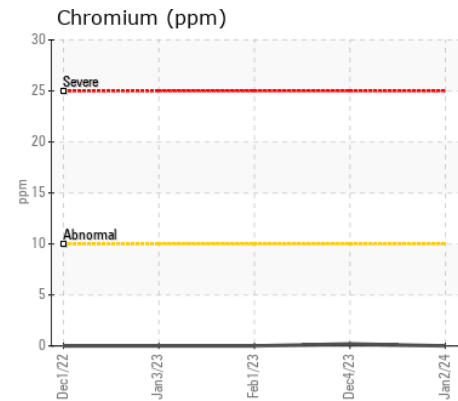
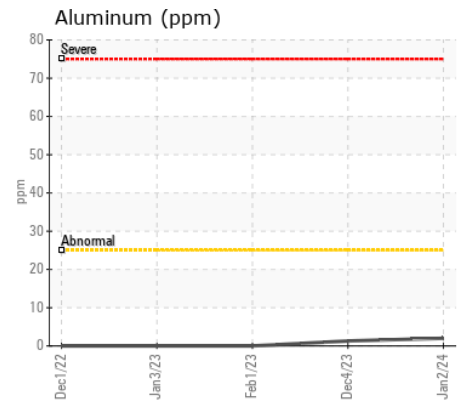
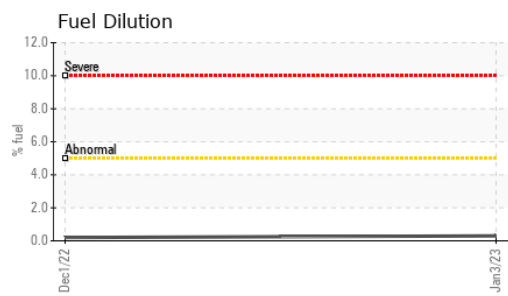
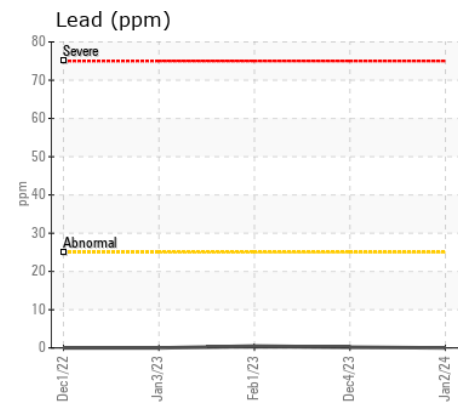
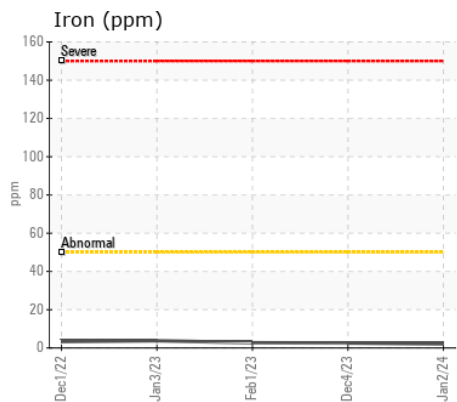
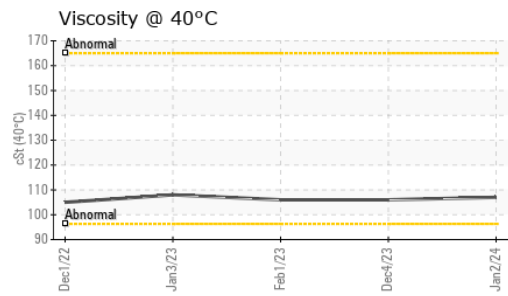
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Fuel	%	ASTM D3524		---	---	---
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	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		3	4	13
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	11	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		4	4	4
Calcium	ppm	ASTM D5185m		22	29	19
Phosphorus	ppm	ASTM D5185m		71	66	55
Zinc	ppm	ASTM D5185m		0	3	0
Sulfur	ppm	ASTM D5185m		276	332	150
Acid Number (AN)	mg KOH/g	ASTM D8045		0.06	0.055	0.088
Visc @ 40°C	cSt	ASTM D445		107	106	106



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0103427 **Received** : 10 Jan 2024
Lab Number : 06057404 **Diagnosed** : 12 Jan 2024
Unique Number : 10823353 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: FuelDilution)

ENERVEST OPERATING - WATKINS
 3896 SUNSET HOLLOW ROAD
 GRUNDY, VA
 US 24614
 Contact: Service Manager

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)

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