



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
RAGE U46
Machine Id
ATLAS COPCO 2229 - VALMONT (S/N AII237325)
Component
Compressor

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

Elemental level of silicon (Si) above normal.

FLUID CONDITION

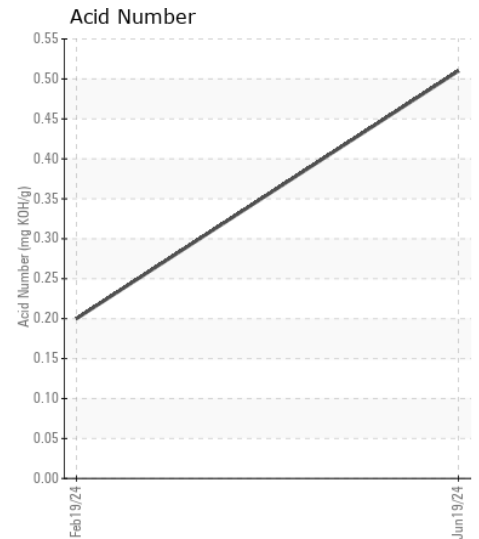
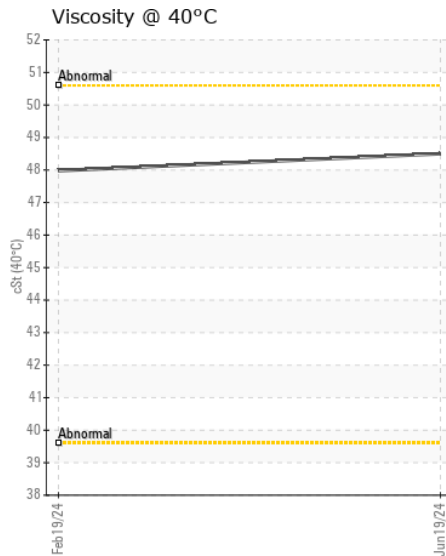
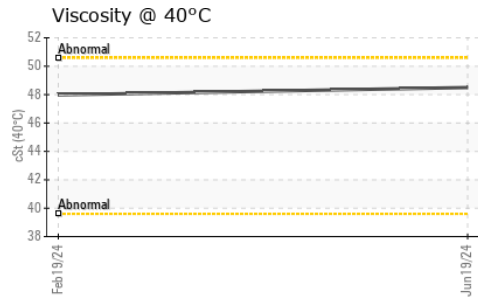
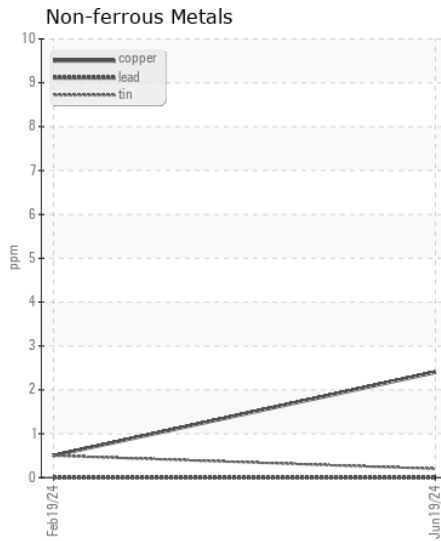
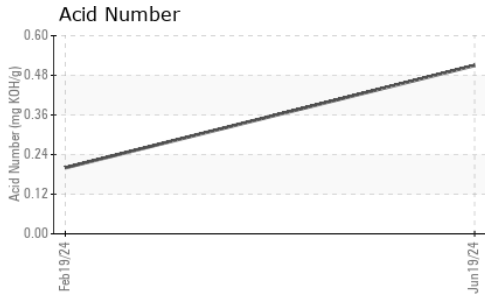
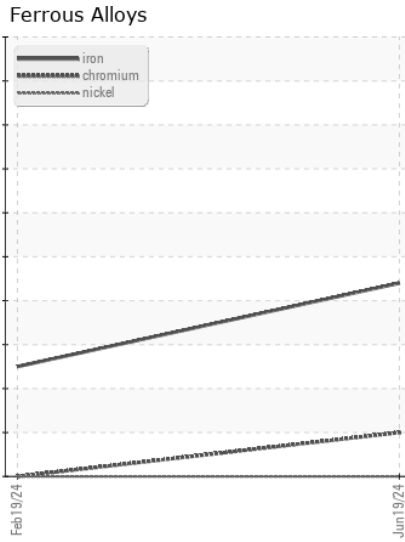
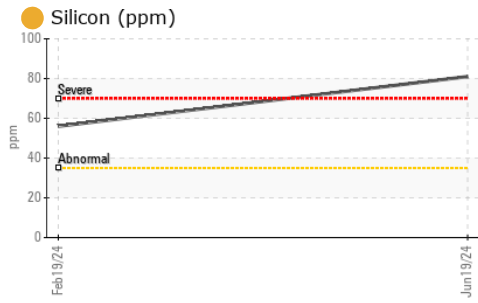
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCS06228765	UCS06103127	---
Sample Date		Client Info		19 Jun 2024	19 Feb 2024	---
Machine Age	hrs	Client Info		40789	38507	---
Oil Age	hrs	Client Info		6021	3739	---
Filter Age	hrs	Client Info		2282	2149	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ATTENTION	ATTENTION	---

Iron	ppm	ASTM D5185m	>50	4	2	---
Chromium	ppm	ASTM D5185m	>5	1	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>15	3	0	---
Lead	ppm	ASTM D5185m	>65	0	0	---
Copper	ppm	ASTM D5185m	>65	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>35	81	56	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

Sodium	ppm	ASTM D5185m		0	3	---
Boron	ppm	ASTM D5185m		0	<1	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	<1	---
Magnesium	ppm	ASTM D5185m		<1	<1	---
Calcium	ppm	ASTM D5185m		0	<1	---
Phosphorus	ppm	ASTM D5185m		7	14	---
Zinc	ppm	ASTM D5185m		0	0	---
Sulfur	ppm	ASTM D5185m		156	126	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.51	0.20	---
Visc @ 40°C	cSt	ASTM D445		48.5	47.98	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06228765
Lab Number : 06228765
Unique Number : 11112258
Test Package : IND 2

Received : 05 Jul 2024
Tested : 08 Jul 2024
Diagnosed : 08 Jul 2024 - Don Baldrige

RASMUSSEN AIR & GAS ENERGY - RAGE
 655 240TH STREET
 WATERLOO, NE
 US 68069

Contact: CHASE SVOBODA
 chase.svoboda@rage-energy.com
 T: (402)614-9926

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)

F: