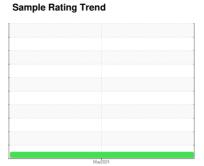


# **OIL ANALYSIS REPORT**

RAGE PL 046
Machine Id

ATLAS COPCO API1651124 - MID AMERICAN AG WEST
Component
Compressor





## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

### **Fluid Condition**

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06196785		
Sample Date		Client Info		07 May 2024		
Machine Age	hrs	Client Info		79892		
Oil Age	hrs	Client Info		20		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	2		
Lead	ppm	ASTM D5185m	>65	<1		
Copper	ppm	ASTM D5185m	>65	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		325		
Zinc	ppm	ASTM D5185m		3		
Sulfur	ppm	ASTM D5185m		897		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	2		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2

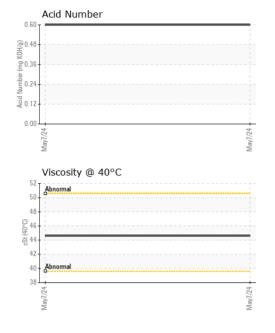
Acid Number (AN)

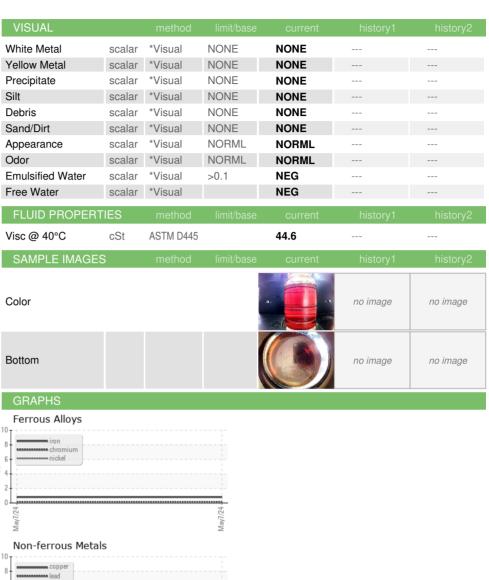
mg KOH/g ASTM D8045

0.60



## **OIL ANALYSIS REPORT**









Laboratory Sample No.

: UCH06196785 Lab Number : 06196785 Unique Number : 11058908

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 31 May 2024 **Tested** : 03 Jun 2024 Diagnosed : 03 Jun 2024 - Wes Davis

Acid Number

등 0.48 E 0.36 은 0.24 0.12 0.00

> 655 240TH STREET WATERLOO, NE US 68069 Contact: CHASE SVOBODA

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

**RASMUSSEN AIR & GAS ENERGY - RAGE** 

Test Package : IND 2 Certificate 12367 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)

Viscosity @ 40°C