

### **PROBLEM SUMMARY**

### Sample Rating Trend

### DEGRADATION

X

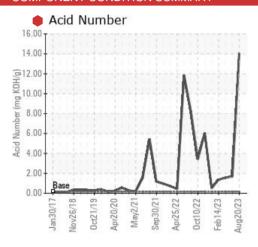
### ATLAS COPCO AIR COMP 3 (S/N AFF172836)

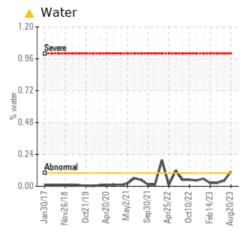
Component

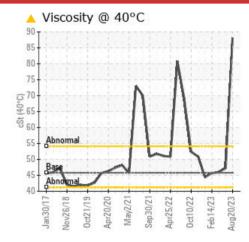
**Air Compressor** 

USPI MAX FG AIR 46 (--- GAL)

### COMPONENT CONDITION SUMMARY







### **RECOMMENDATION**

Recommend drain oil if not already done and flush with cleaner before refilling with oil.

PROBLEMATIC TEST RESULTS										
Sample Status				SEVERE	NORMAL	NORMAL				
Water	%	ASTM D6304	>0.1	<b>△</b> 0.109	0.041	0.025				
ppm Water	ppm	ASTM D6304	>1000	<b>1096.8</b>	416.2	250.6				
Acid Number (AN)	mg KOH/g	ASTM D8045	0.16	<b>14.04</b>	1.68	1.55				
Visc @ 40°C	cSt	ASTM D445	45.8	<b>88.1</b>	47.3	46.0				

Customer Id: TYSGOO Sample No.: USP242333 Lab Number: 05930458 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

# Action Status Date Done By Description Change Fluid --- ? Recommend drain oil if not already done and flush with cleaner before refilling with oil. Flush System --- ? Recommend drain oil if not already done and flush with cleaner before refilling with oil.

### HISTORICAL DIAGNOSIS

### 21 May 2023 Diag: Doug Bogart

### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## view report

### 02 Apr 2023 Diag: Doug Bogart

### NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## view report

### 14 Feb 2023 Diag: Doug Bogart

### DEGRADATION



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. An increase in the AN level is noted. Confirmed.





### **OIL ANALYSIS REPORT**

### Sample Rating Trend

### DEGRADATION

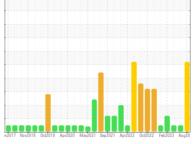
Machine Id

### **ATLAS COPCO AIR COMP 3 (S/N AFF172836)**

Component

**Air Compressor** 

USPI MAX FG AIR 46 (--- GAL)



### DIAGNOSIS

### Recommendation

Recommend drain oil if not already done and flush with cleaner before refilling with oil.

### Wear

All component wear rates are normal.

### Contamination

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

The AN level is above the recommended limit. The oil viscosity is higher than normal. Confirmed.

		m2017 Nov201	8 Oct2019 Apr2020 May2	021 Sep2021 Apr2022 Oct2022 Fe	b2023 Aug20.	
SAMPLE INFORMA	NOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		USP242333	USPM28267	USPM20156
Sample Date		Client Info		20 Aug 2023	21 May 2023	02 Apr 2023
	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>70	<1	<1	1
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m	>10	0	0	<1
	ppm	ASTM D5185m	>20	0	0	0
	ppm	ASTM D5185m	>80	4	3	2
	ppm	ASTM D5185m	>15	- <1	0	0
	ppm	ASTM D5185m		0	0	0
	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	1	2
	ppm	ASTM D5185m	0	4	6	4
	ppm	ASTM D5185m	0	26	0	5
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>12	2	<1	0
Sodium	ppm	ASTM D5185m		5	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water	%	ASTM D6304	>0.1	<b>0.109</b>	0.041	0.025
ppm Water	ppm	ASTM D6304	>1000	<b>1096.8</b>	416.2	250.6
FLUID CLEANLINE	SS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1886	838	100
Particles >6µm		ASTM D7647	>2500	480	284	24
Particles >14µm		ASTM D7647	>320	46	28	4
Particles >21µm		ASTM D7647	>80	14	10	1
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/16/13	17/15/12	14/12/9
FLUID DEGRADAT	ION	method	limit/base	current	history1	history2
Acid Number (AN)	ma I/OII/a	ACTM DODAE	0.16	14.04	1.60	1 55

Acid Number (AN)

mg KOH/g ASTM D8045 0.16

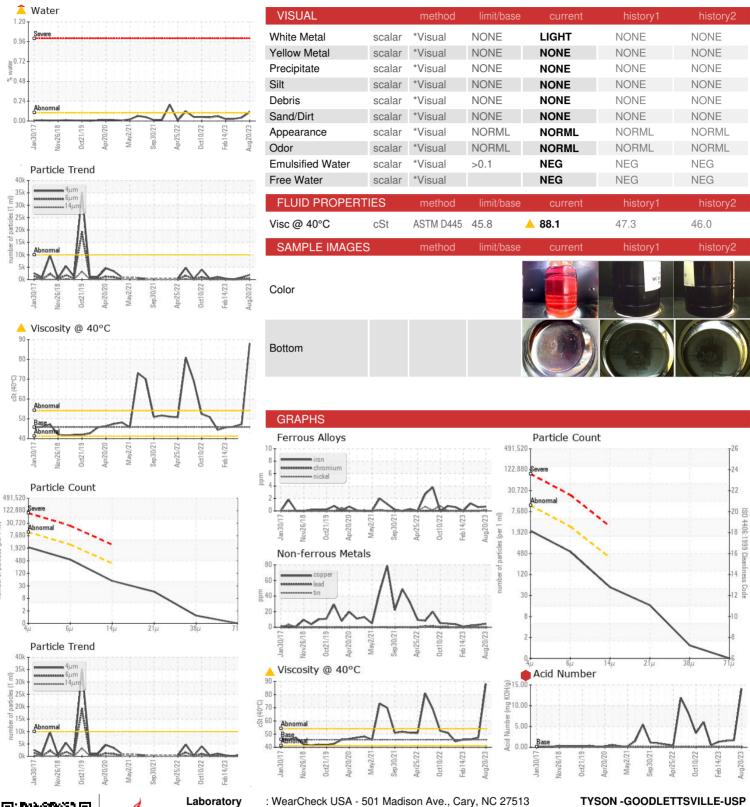
1.68

14.04

1.55



### **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory

Sample No. Lab Number

**Unique Number** Test Package : IND 2

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

: USP242333 Received : 21 Aug 2023 : 05930458 : 22 Aug 2023 Diagnosed : Doug Bogart : 10615729 Diagnostician

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)

201 CARTWRIGHT STREET

GOODLETTSVILLE, TN

US 37072 Contact: JOHN BAKER

T: (615)855-2791 F: (615)855-2742