

## **OIL ANALYSIS REPORT**

## Area **ROTAIR PLUS [184994]** Machine Id **ATLAS COPCO ITJ134263 - SOUTHERN TIRE MART**

Component Compressor

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

## Wear

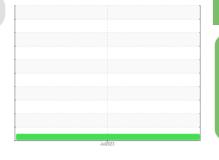
All component wear rates are normal.

#### 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 Rating Trend



NORMAL

SAMPLE INFORM	<b>/IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06159254		
Sample Date		Client Info		05 Jul 2023		
Machine Age	hrs	Client Info		9266		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
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		1		
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		<1		
Cadmium	ppm	ASTM D5185m		<1		
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		2		
Calcium	ppm	ASTM D5185m		267		
Phosphorus	ppm	ASTM D5185m		424		
Zinc	ppm	ASTM D5185m		185		
Sulfur	ppm	ASTM D5185m		3494		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.36		



0.40 0.35

0.05

52

50

48 (0-046 tso 44

> 42 40

38

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50 (40°C)

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#### Viscosity @ 40°C Acid Number €<sup>0.4</sup> 55 HOX 0.30 .45 5 0.20 Abnorma 40 0.10 Acid 35 0.00 Jul5/23 Jul5/23 15/23

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

47.2

no image

no image

no image

no image

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.1



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