

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

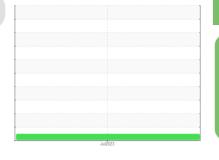
All component wear rates are normal.

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	/IATION	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

OIL ANALYSIS REPORT



50 (40°C)

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Viscosity @ 40°C Acid Number €^{0.4} 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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