

# **OIL ANALYSIS REPORT**

87 Machine Id [87] A87 FES

Center Refrigeration Compressor

ATLAS COPCO ROTO Z FLUID (83 GAL)

# Nozi017 Fezi2018 Mayi2018 Augi2018 Nozi2018 Fezi2019 Augi2019 Oct2019

Sample Rating Trend



# 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.

		Nov2017 F	eb2018 May2018 Aug20	118 Nov2018 Feb2019 Apr2018	0 ct2019	
SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		HPL010876	HPL010721	HPL010299
Sample Date		Client Info		29 Oct 2019	25 Apr 2019	01 Feb 2019
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		13296	2440	1000
Oil Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	0	<1
Lead	ppm	ASTM D5185m	>65	0	<1	<1
Copper	ppm	ASTM D5185m	>65	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	2	<1	0
Antimony	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	<1
Calcium	ppm	ASTM D5185m		0	2	0
Phosphorus	ppm	ASTM D5185m		3	<1	1
Zinc	ppm	ASTM D5185m		0	0	<1
Sulfur	ppm	ASTM D5185m		38	69	44
CONTAMINANTS	;	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>35	2	1	2
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.1	0.060	0.004	0.002
ppm Water	ppm	ASTM D6304	>1000	600	40	20
FLUID DEGRADA	ATION	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D974		0.126	0.026	0.014



# OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

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

: 04843236 : 8813176 Test Package : MOB 2 ( Additional Tests: KF )

: HPL010876

Received : 11 Nov 2019 Diagnosed : 13 Nov 2019 Diagnostician

: Jonathan Hester

US 60901 Contact: TIM HUBERT timothy.hubert@kensingsolutions.com T: (815)939-8918

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: x: Contact/Location: TIM HUBERT - BASKAN

**KENSING** 

KANKAKEE, IL

2525 S KENSINGTON RD