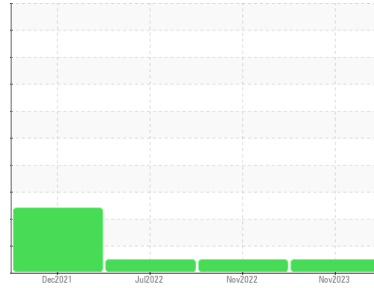


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**Vessel**  
Machine Id  
**KAT 08 (FACTORY AIR COMPRESSOR #2)**  
Component  
**2 Compressor**  
Fluid  
**ATLAS COPCO ROTO XTEND (151 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0080261</b>	PC0032254	PC0018609
Sample Date	Client Info			<b>22 Nov 2023</b>	08 Nov 2022	24 Jul 2022
Machine Age	hrs	Client Info		<b>30627</b>	26356	24557
Oil Age	hrs	Client Info		<b>30627</b>	26356	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

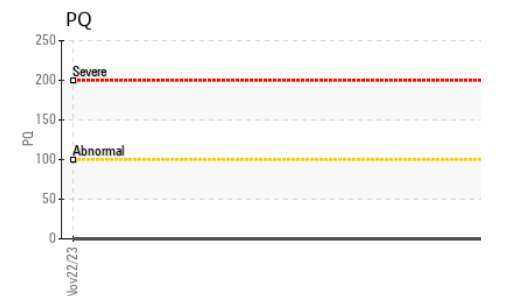
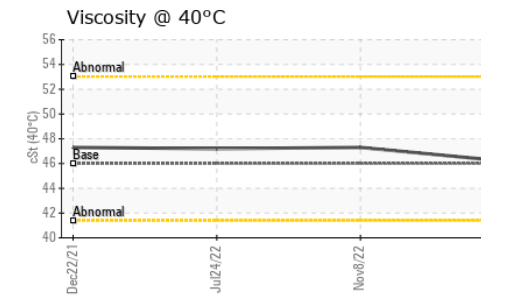
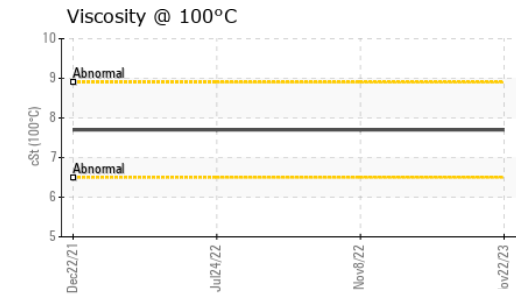
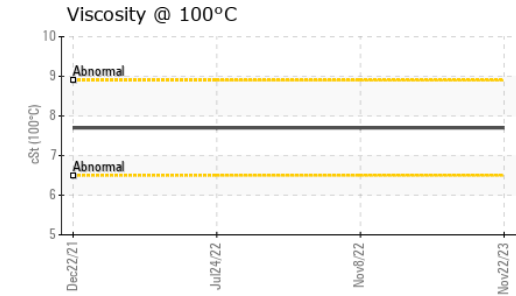
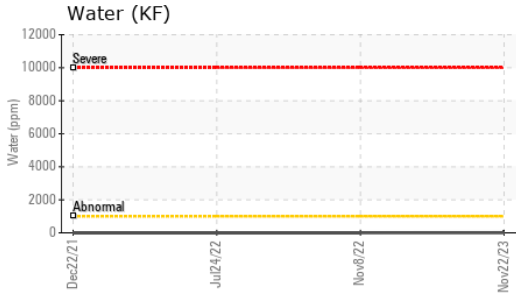
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>0</b>	---	---
Iron	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	6	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185(m)	>65	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m)	>65	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	1	<1
Calcium	ppm	ASTM D5185(m)		<b>3</b>	0	<1
Phosphorus	ppm	ASTM D5185(m)		<b>79</b>	43	52
Zinc	ppm	ASTM D5185(m)		<b>154</b>	62	67
Sulfur	ppm	ASTM D5185(m)		<b>203</b>	135	142
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	<b>18</b>	<1	<1
Sodium	ppm	ASTM D5185(m)		<b>4</b>	1	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water	%	ASTM D6304*	>0.1	<b>0.001</b>	---	---
ppm Water	ppm	ASTM D6304*	>1000	<b>3</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.14	<b>0.25</b>	---	---

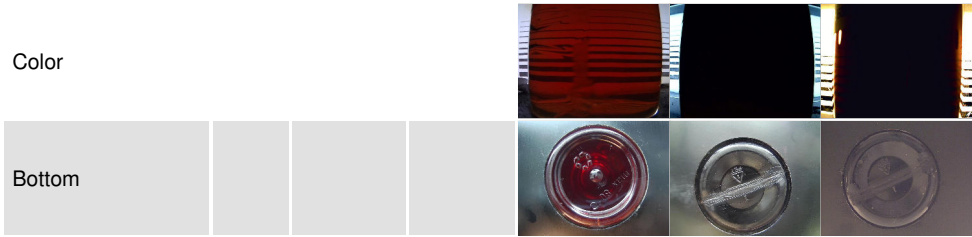
# OIL ANALYSIS REPORT



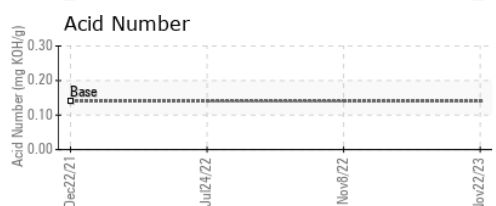
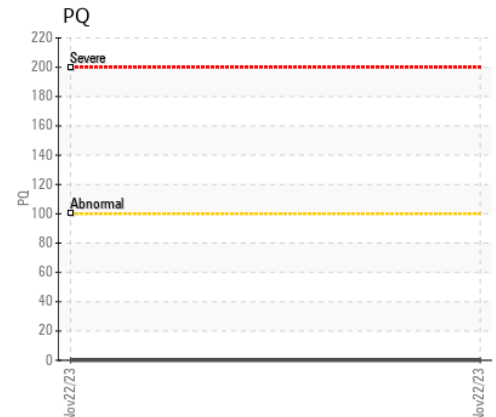
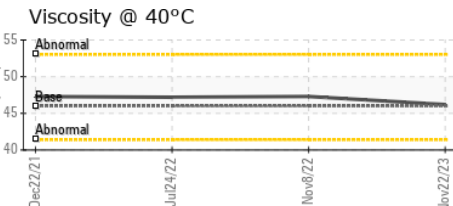
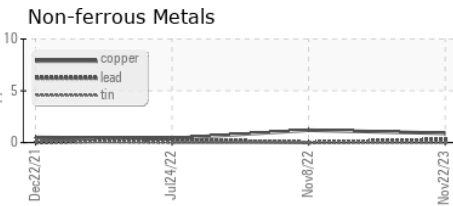
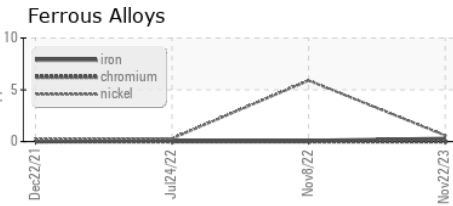
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	47.3	47.2
Visc @ 100°C	cSt	ASTM D7279(m)	7.7	7.7	7.7
Viscosity Index (VI)	Scale	ASTM D2270*	133	129	130

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Ocean Choice International - Katsheshuk II  
**Sample No.** : PC0080261 **Received** : 08 Dec 2023  
**Lab Number** : 02601881 **Diagnosed** : 11 Dec 2023  
**Unique Number** : 5694966 **Diagnostician** : Wes Davis  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, VI )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

Contact: Chief Engineer  
 katengine@oceanchoice.com  
 T:  
 F: