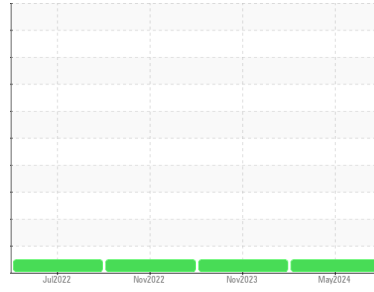


OIL ANALYSIS REPORT

Area
Vessel
 Machine Id
KAT 07 (FACTORY AIR COMPRESSOR #1)
 Component
1 Compressor
 Fluid
ATLAS COPCO ROTO XTEND (66 LTR)

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0080979	PC0080260	PC0031765
Sample Date	Client Info	17 May 2024	22 Nov 2023	08 Nov 2022
Machine Age	hrs Client Info	32542	32530	32330
Oil Age	hrs Client Info	1000	32530	32330
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	0	0	---
Iron	ppm ASTM D5185(m) >50	2	2	2
Chromium	ppm ASTM D5185(m) >5	0	0	0
Nickel	ppm ASTM D5185(m)	0	<1	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m)	0	<1	0
Aluminum	ppm ASTM D5185(m) >15	<1	<1	<1
Lead	ppm ASTM D5185(m) >65	0	<1	<1
Copper	ppm ASTM D5185(m) >65	<1	<1	<1
Tin	ppm ASTM D5185(m) >10	0	0	0
Antimony	ppm ASTM D5185(m)	0	0	0
Vanadium	ppm ASTM D5185(m)	0	0	0
Beryllium	ppm ASTM D5185(m)	0	0	0
Cadmium	ppm ASTM D5185(m)	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	0	<1	0
Barium	ppm ASTM D5185(m)	0	<1	0
Molybdenum	ppm ASTM D5185(m)	0	0	0
Manganese	ppm ASTM D5185(m)	<1	<1	<1
Magnesium	ppm ASTM D5185(m)	<1	0	<1
Calcium	ppm ASTM D5185(m)	<1	1	<1
Phosphorus	ppm ASTM D5185(m)	71	74	91
Zinc	ppm ASTM D5185(m)	94	101	43
Sulfur	ppm ASTM D5185(m)	169	178	215
Lithium	ppm ASTM D5185(m)	<1	<1	<1

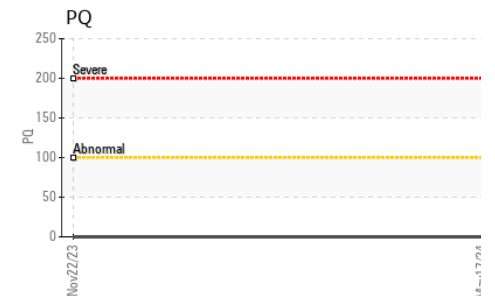
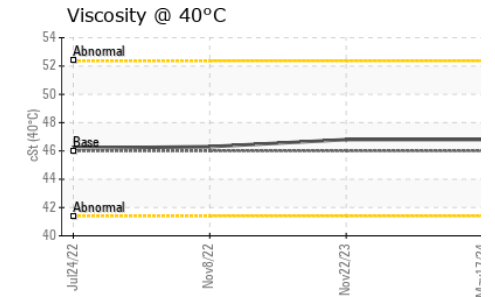
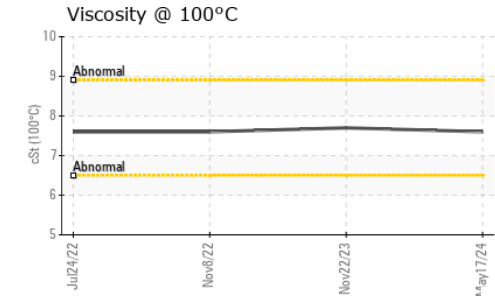
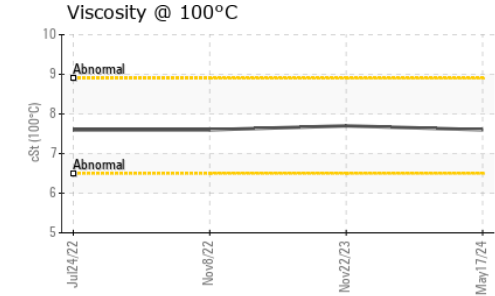
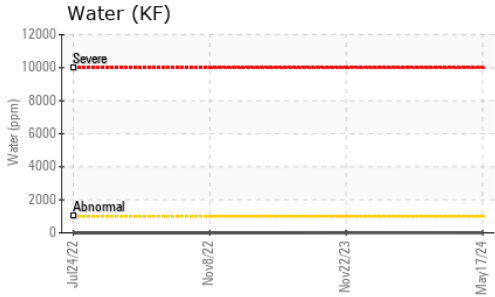
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >35	0	3	0
Sodium	ppm ASTM D5185(m)	4	5	2
Potassium	ppm ASTM D5185(m) >20	<1	1	<1
Water	% ASTM D6304* >0.1	0.00	0.001	---
ppm Water	ppm ASTM D6304* >1000	0	3	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.14	0.15	0.16	---

OIL ANALYSIS REPORT

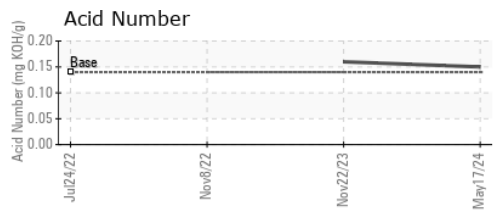
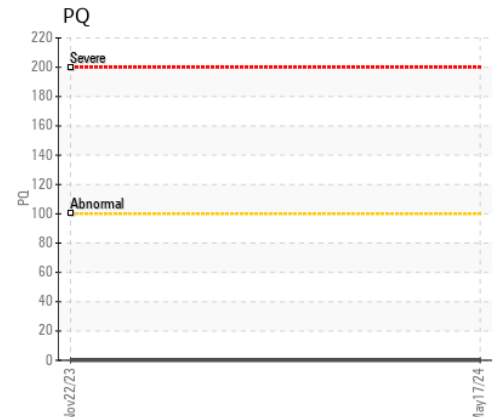
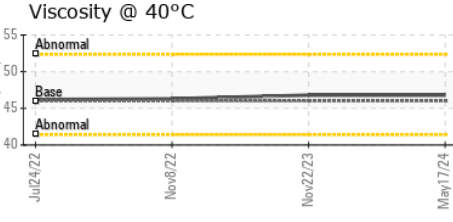
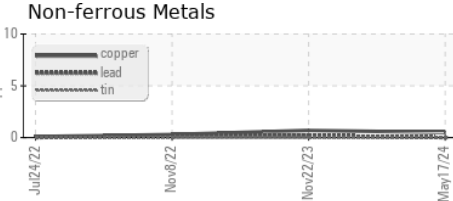
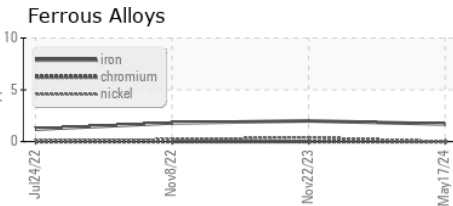


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	46.8	46.3
Visc @ 100°C	cSt	ASTM D7279(m)		7.6	7.7
Viscosity Index (VI)	Scale	ASTM D2270*	133	128	131

PARAMETER	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0080979
Lab Number : 02638058
Unique Number : 5787220
Test Package : IND 2 (Additional Tests: KF, KV100, VI)
Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Kevin Marson

Ocean Choice International - Katsheshuk II
 1315 Topsail Rd, P.O. Box 8190
 St. John's, NL
 CA A1B 3N4
 Contact: Chief Engineer
 katengine@oceanchoice.com

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.