



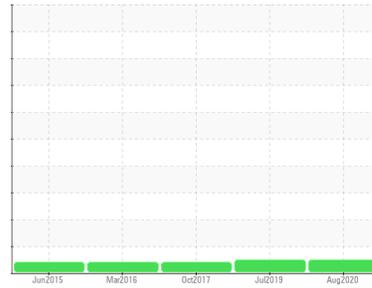
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
F1
 Machine Id
ATLAS COPCO 1025089 Compressor (1) (S/N AP1313659)
 Component
Hydraulic System
 Fluid
ATLAS COPCO ROTO XTEND (8 LTR)



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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		WC0371973	WC0296386	WC968443
Sample Date	Client Info		28 Aug 2020	04 Jul 2019	12 Oct 2017
Machine Age	hrs	Client Info	24783	24028	35945
Oil Age	hrs	Client Info	752	1854	3173
Oil Changed	Client Info		Not Chngd	Changed	Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		0	0	9
Iron	ppm	ASTM D5185(m) >20	<1	2	6
Chromium	ppm	ASTM D5185(m) >20	0	0	0
Nickel	ppm	ASTM D5185(m) >20	0	0	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >20	<1	0	1
Lead	ppm	ASTM D5185(m) >20	0	<1	<1
Copper	ppm	ASTM D5185(m) >20	1	2	1
Tin	ppm	ASTM D5185(m) >20	0	0	<1
Antimony	ppm	ASTM D5185(m)	<1	0	<1
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)	<1	0	<1
Barium	ppm	ASTM D5185(m)	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	2	4	6
Calcium	ppm	ASTM D5185(m)	134	312	955
Phosphorus	ppm	ASTM D5185(m)	442	452	516
Zinc	ppm	ASTM D5185(m)	104	265	613
Sulfur	ppm	ASTM D5185(m)	1112	2146	3898
Lithium	ppm	ASTM D5185(m)	<1	0	<1

CONTAMINANTS

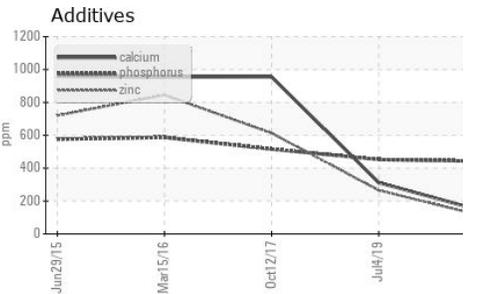
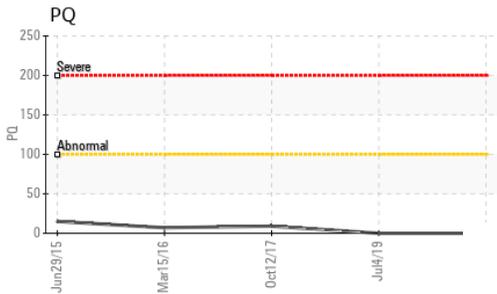
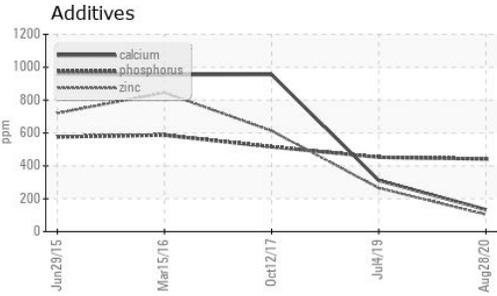
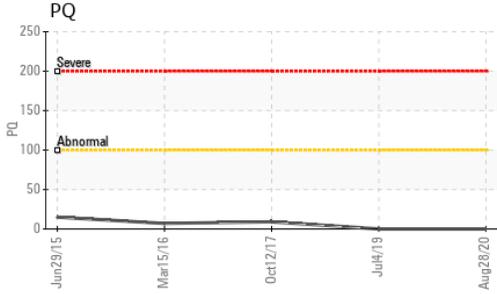
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	0	<1	2
Sodium	ppm	ASTM D5185(m)	3	3	5
Potassium	ppm	ASTM D5185(m) >20	<1	<1	2

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.14	0.27	0.595	1.40



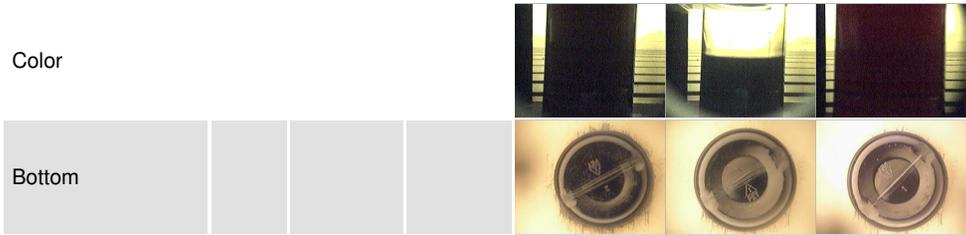
OIL ANALYSIS REPORT



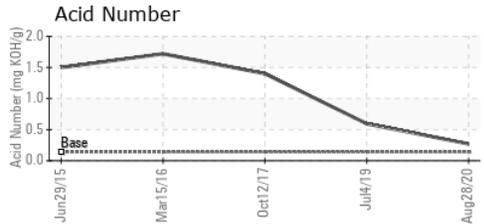
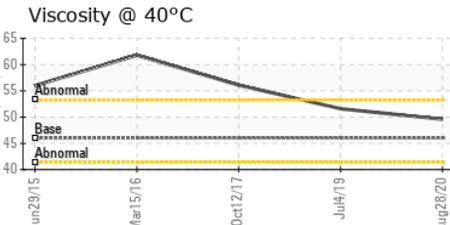
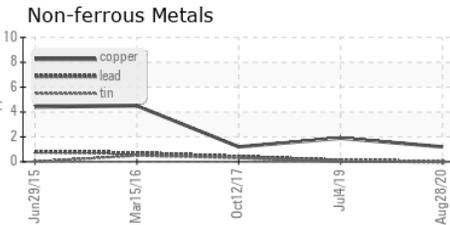
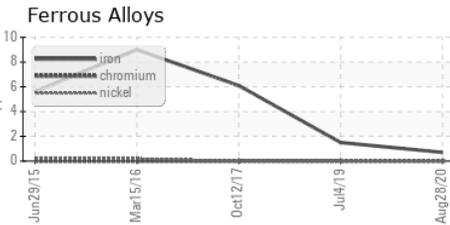
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.05	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	46	49.6	51.6 ▲ 56.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Watch Tower Bible and Tract Society of Canada
Sample No. : WC0371973 **Received** : 01 Sep 2020 13893 Highway 7
Lab Number : 02373568 **Diagnosed** : 28 Jul 2023 Georgetown, ON
Unique Number : 5097016 **Diagnostician** : Kevin Marson CA L7G 4S4
Test Package : IND 2 (Additional Tests: PQ, TAN Man) Contact: Joshua Imbroll
 JImbroll@jw.org

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.

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