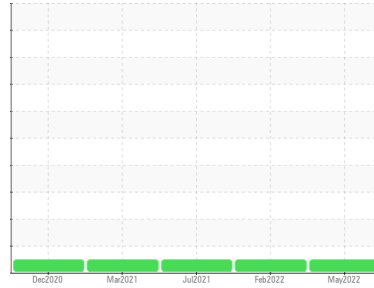


Area
INGERSOLL RAND [12538570]
Machine Id
ATLAS COPCO API300037 - PRIME PROCESSING
Component
Compressor



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 INFORMATION method limit/base current history1 history2

Sample Number	Client Info	UCS05557515	UCH05485165	UCH05313064	
Sample Date	Client Info	24 May 2022	28 Feb 2022	15 Jul 2021	
Machine Age	hrs	Client Info	31495	30806	27660
Oil Age	hrs	Client Info	3823	2007	6275
Oil Changed	Client Info	Not Chngd	Not Chngd	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	<1	1	2
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	<1	<1
Lead	ppm	ASTM D5185m	>65	<1	<1	<1
Copper	ppm	ASTM D5185m	>65	0	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Antimony	ppm	ASTM D5185m		---	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m	0	1	2	0
Barium	ppm	ASTM D5185m	500	679	570	132
Molybdenum	ppm	ASTM D5185m	0	0	0	2
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0	32
Calcium	ppm	ASTM D5185m	0	2	2	50
Phosphorus	ppm	ASTM D5185m	20	20	15	66
Zinc	ppm	ASTM D5185m	0	26	69	203
Sulfur	ppm	ASTM D5185m	200	285	246	279

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>35	1	<1	<1
Sodium	ppm	ASTM D5185m		6	20	30
Potassium	ppm	ASTM D5185m	>20	1	1	2

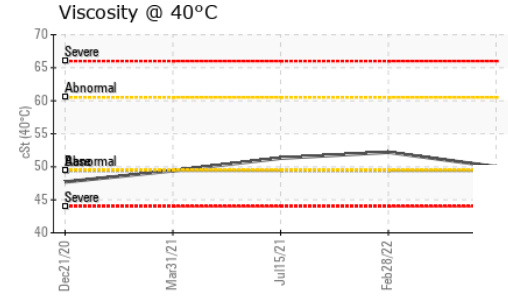
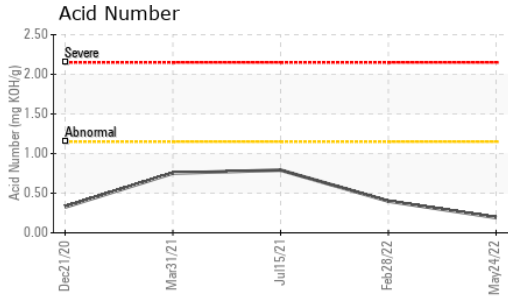
FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		0.192	0.40	0.791
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VISUAL method limit/base current history1 history2

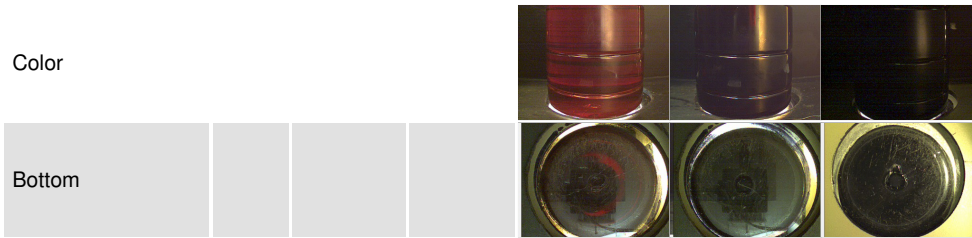
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

OIL ANALYSIS REPORT

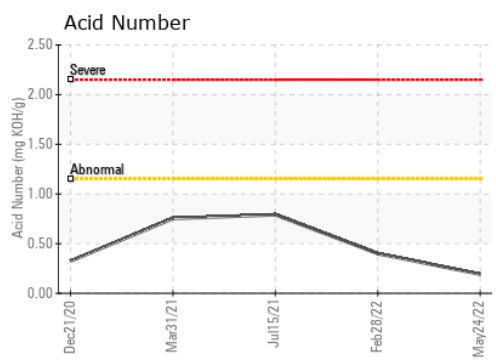
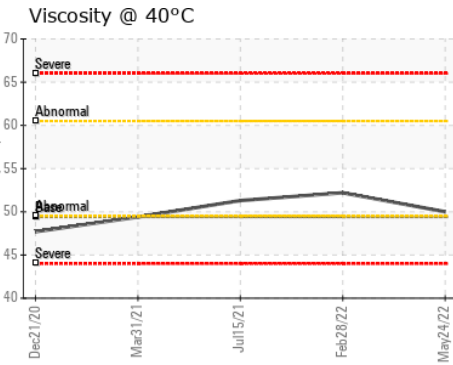
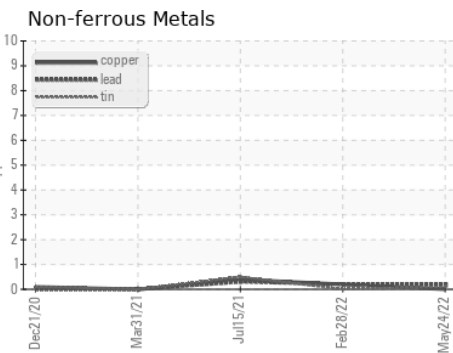
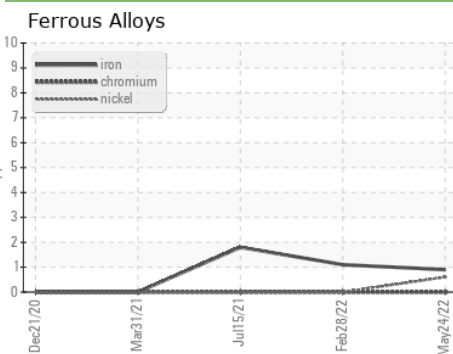


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	49.4	50.0	52.2	51.3

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS0557515 **Received** : 31 May 2022
Lab Number : 0557515 **Diagnosed** : 01 Jun 2022
Unique Number : 9996903 **Diagnostician** : Don Baldrige
Test Package : IND 2

TOTAL EQUIPMENT COMPANY
 200 SMILEY DR
 SAINT ALBANS, WV
 US 25177
 Contact:

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)

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F: