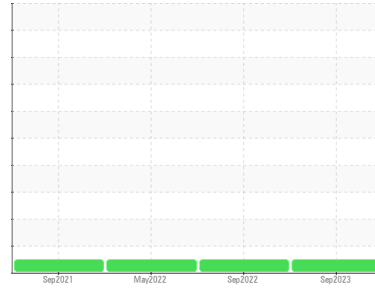


Area
SMART OIL
Machine Id
HERTZ VD015121 - CRYMES LANDFILL
Component
Compressor
Fluid
SMARTOIL 6000 (2 GAL)



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 acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info		UHK05995800	UHK0000442	UHK05573907
Sample Date	Client Info		28 Sep 2023	12 Sep 2022	26 May 2022
Machine Age	hrs	Client Info	11682	4538	3331
Oil Age	hrs	Client Info	6000	4793	1363
Oil Changed		Client Info	Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185m	>50	4	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	4	1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Antimony	ppm	ASTM D5185m		---	---	---
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m	20	0	0	1
Phosphorus	ppm	ASTM D5185m		290	537	33
Zinc	ppm	ASTM D5185m		37	0	21
Sulfur	ppm	ASTM D5185m		624	1169	204

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185m	>25	2	3	11
Sodium	ppm	ASTM D5185m		1	0	<1
Potassium	ppm	ASTM D5185m	>20	2	<1	0

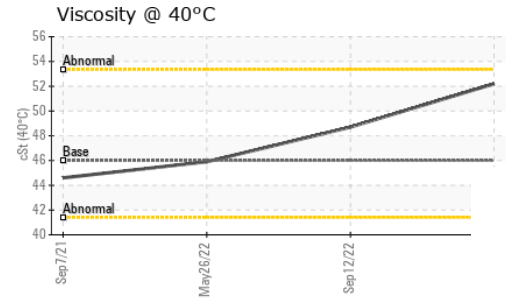
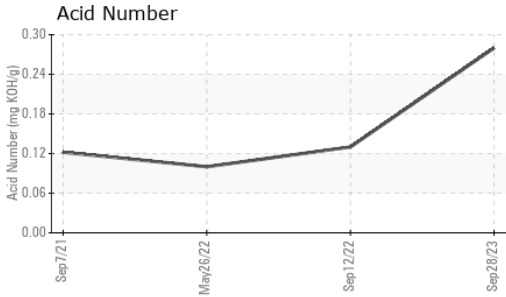
FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D8045		0.28	0.13	0.10
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VISUAL method limit/base current history1 history2

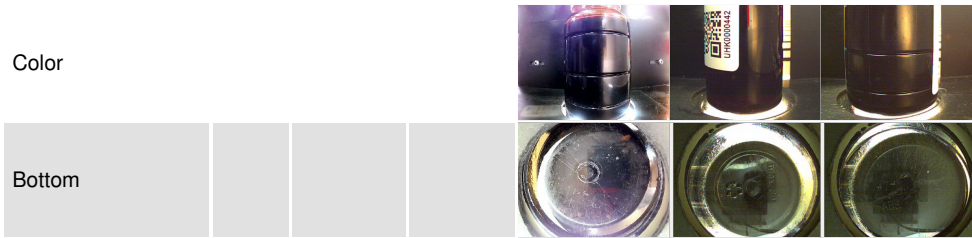
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	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

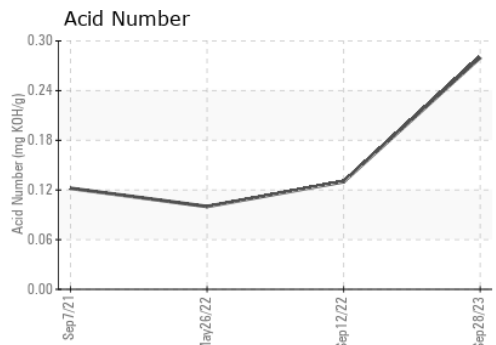
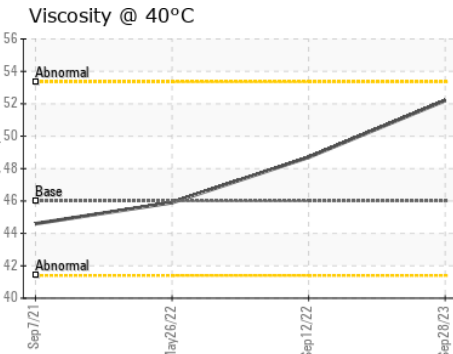
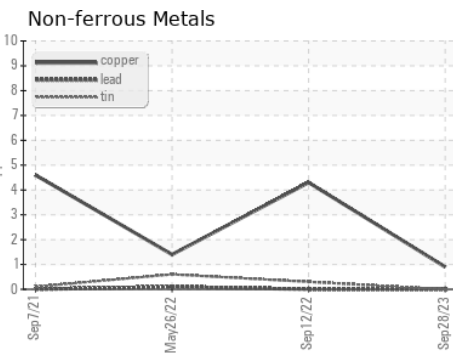
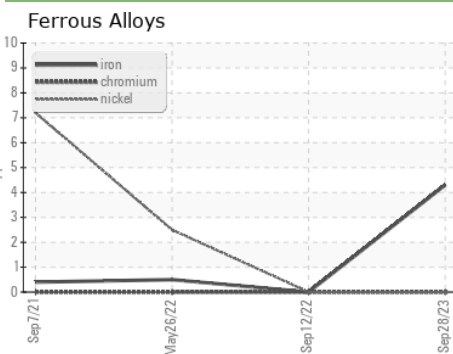


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	52.2	48.7	45.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UHK05995800 **Received** : 01 Nov 2023
Lab Number : 05995800 **Diagnosed** : 02 Nov 2023
Unique Number : 10724160 **Diagnostician** : Don Baldrige
Test Package : IND 2

CHARLOTTE COMPRESSOR
 338 S SHARON AMITY RD #201
 CHARLOTTE, NC
 US 28211
 Contact: Service
 service@atlantaaircompressor.com
 T: (704)399-9993
 F:

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)