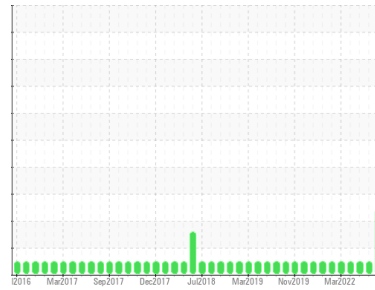




# OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

## COMPULUBE PLUS 10

Machine Id

### GARDNER DENVER CP-12 - NACCO / HYSTER-YALE (S/N U72831)

Component

#### Compressor

#### DIAGNOSIS

##### ● Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

##### ● Wear

An increase in the iron level is noted.

##### ● Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present 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		<b>UCH06209278</b>	UCH05801724	UCH05612138
Sample Date	Client Info		<b>25 May 2024</b>	23 Feb 2023	30 Jul 2022
Machine Age	hrs	Client Info	<b>120000</b>	0	89546
Oil Age	hrs	Client Info	<b>500</b>	0	3500
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>ATTENTION</b>	NORMAL	NORMAL

#### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	● <b>42</b>	2	<1
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	<1	1
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>4</b>	1	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

#### ADDITIVES

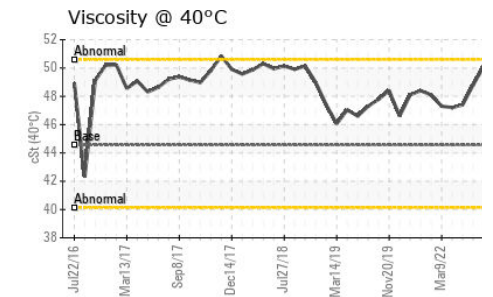
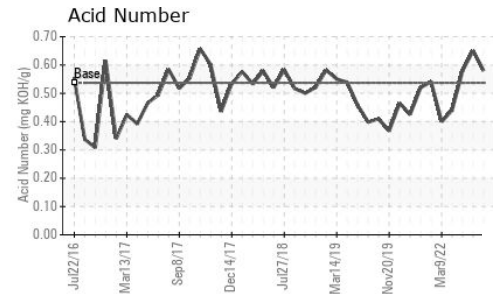
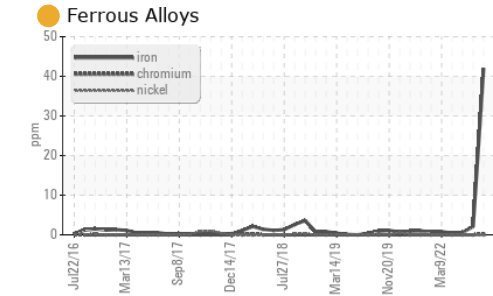
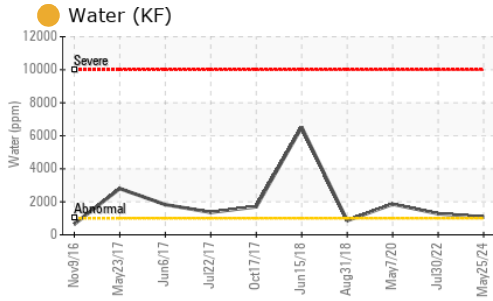
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.1	<b>0</b>	0	2
Barium	ppm	ASTM D5185m 0.8	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m 0.9	<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185m 0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m 409	<b>324</b>	421	291
Zinc	ppm	ASTM D5185m 0	<b>33</b>	31	51
Sulfur	ppm	ASTM D5185m 1290	<b>491</b>	682	332

#### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	2	0
Sodium	ppm	ASTM D5185m	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m >20	<b>1</b>	<1	<1
Water	%	ASTM D6304 >0.1	● <b>0.108</b>	---	0.128
ppm Water	ppm	ASTM D6304 >1000	● <b>1080</b>	---	1280

#### FLUID DEGRADATION

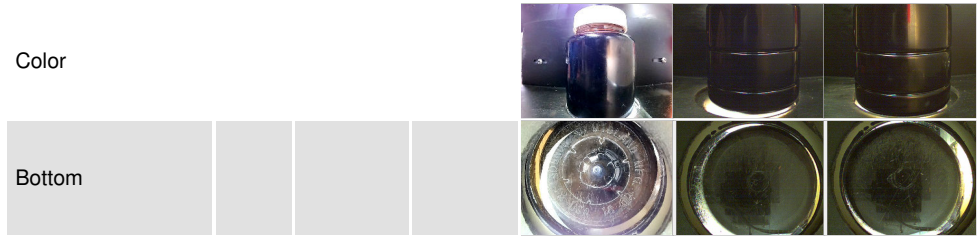
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.537	<b>0.58</b>	0.65	0.58



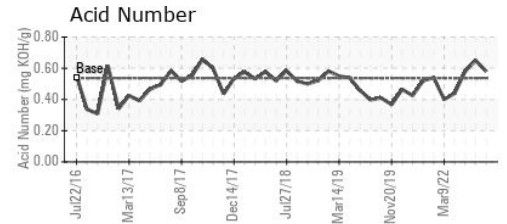
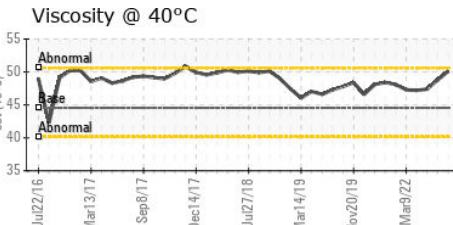
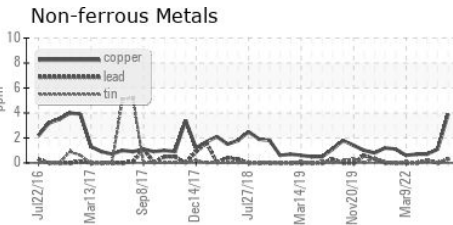
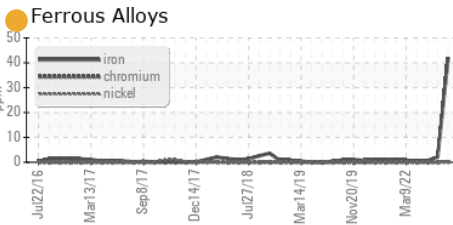
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.56	50.1	48.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06209278  
**Lab Number** : 06209278  
**Unique Number** : 11076739  
**Test Package** : IND 2 ( Additional Tests: KF )  
**Received** : 13 Jun 2024  
**Tested** : 18 Jun 2024  
**Diagnosed** : 18 Jun 2024 - Don Baldrige

**AIR SERVICE AND PARTS INC.**  
 2211 BUECHEL AVE  
 LOUISVILLE, KY  
 US 40218  
 Contact: DWIGHT LOGSDON  
 dwight@airserviceandparts.com; canastasio@wearcheckusa.com

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)