



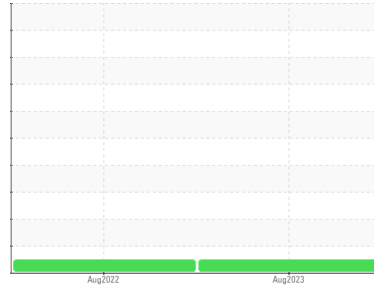
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
AIRLUBE 228 [1389627]
 Machine Id
GARDNER DENVER UD8796 - HAMMILL
 Component
Compressor



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present 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		UCH05927394	UCH05639732	---
Sample Date	Client Info		01 Aug 2023	22 Aug 2022	---
Machine Age	hrs	Client Info	79503	76373	---
Oil Age	hrs	Client Info	2171	3800	---
Oil Changed	Client Info		Not Changed	N/A	---
Sample Status			NORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	1	0	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	<1	---
Lead	ppm	ASTM D5185m >25	0	0	---
Copper	ppm	ASTM D5185m >50	0	<1	---
Tin	ppm	ASTM D5185m >15	0	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1.5	0	0	---
Barium	ppm	ASTM D5185m 0	0	<1	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m 0.3	<1	0	---
Magnesium	ppm	ASTM D5185m 0	1	0	---
Calcium	ppm	ASTM D5185m 0	<1	0	---
Phosphorus	ppm	ASTM D5185m 406	374	215	---
Zinc	ppm	ASTM D5185m 0	4	0	---
Sulfur	ppm	ASTM D5185m 1283	378	284	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	<1	---
Sodium	ppm	ASTM D5185m	0	0	---
Potassium	ppm	ASTM D5185m >20	0	0	---

FLUID DEGRADATION

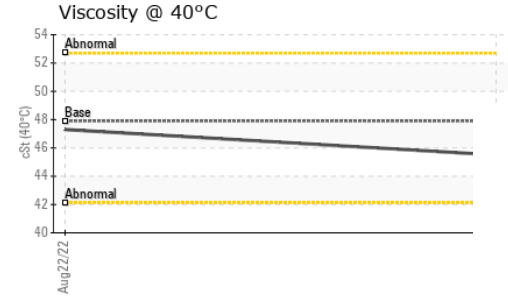
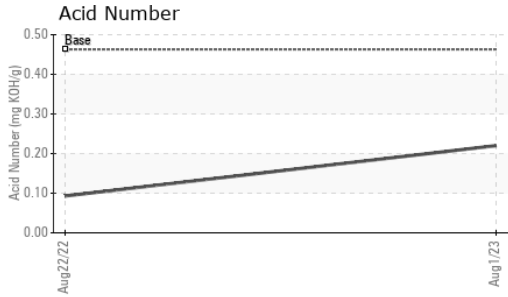
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.463	0.22	0.093	---

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	MODER	LIGHT	---
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	---



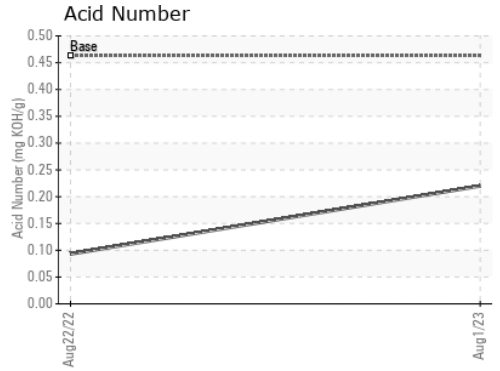
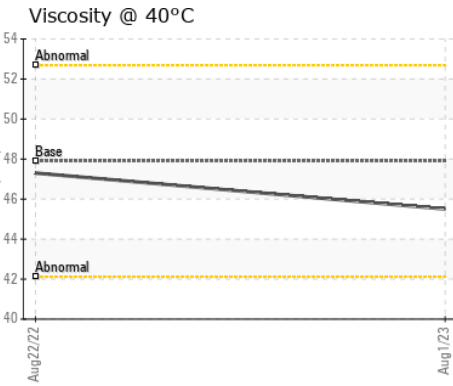
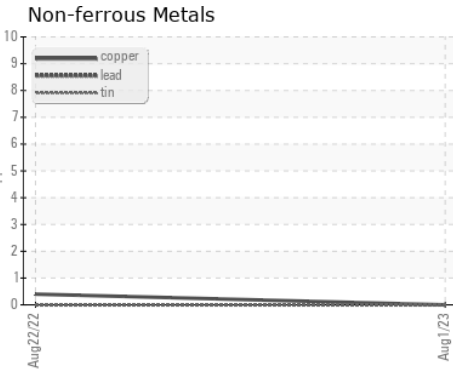
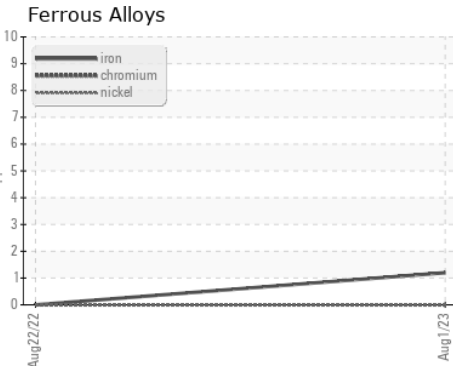
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	47.9	45.5	47.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color						no image
Bottom						no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05927394 **Received** : 17 Aug 2023
Lab Number : **05927394** **Diagnosed** : 18 Aug 2023
Unique Number : 10607341 **Diagnostician** : Don Baldrige
Test Package : IND 2

AIR TECHNOLOGIES INC (DET-LIV)
 11771 BELDEN CT
 LIVONIA, MI
 US 48150-1446
 Contact: CHAD ASMUS
 chad.asmus@aircompressors.com
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 F: (734)762-9248

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)