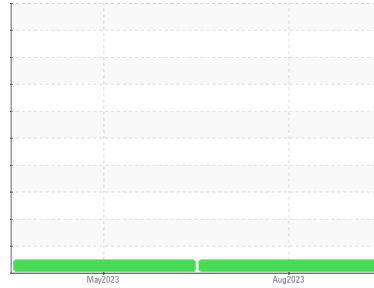




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
ULTRA COOLANT
 Machine Id
NL1132 - VOSS PATTERN
 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			UCH05934454	UCH05853270	---
Sample Date	Client Info			16 Aug 2023	04 May 2023	---
Machine Age	hrs	Client Info		29174	26704	---
Oil Age	hrs	Client Info		0	5317	---
Oil Changed	Client Info			Not Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3	<1	---
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	<1	0	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	1	0	---
Tin	ppm	ASTM D5185m	>15	0	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m	556	460	499	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m		2	16	---
Calcium	ppm	ASTM D5185m	242	78	111	---
Phosphorus	ppm	ASTM D5185m	0	51	66	---
Zinc	ppm	ASTM D5185m	0	70	113	---
Sulfur	ppm	ASTM D5185m	306	376	380	---

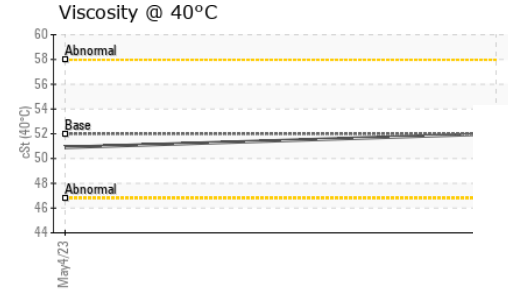
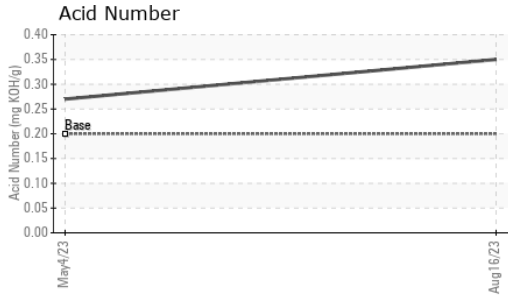
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	1	---
Sodium	ppm	ASTM D5185m		92	70	---
Potassium	ppm	ASTM D5185m	>20	9	4	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.35	0.27	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	MODER	---
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	>0.1	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



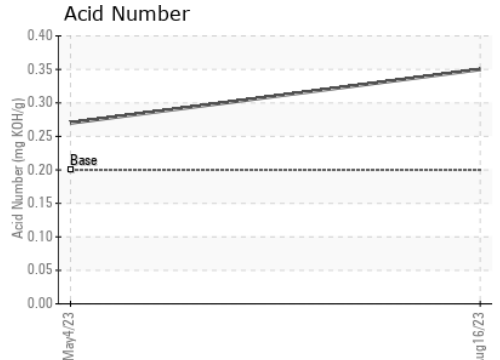
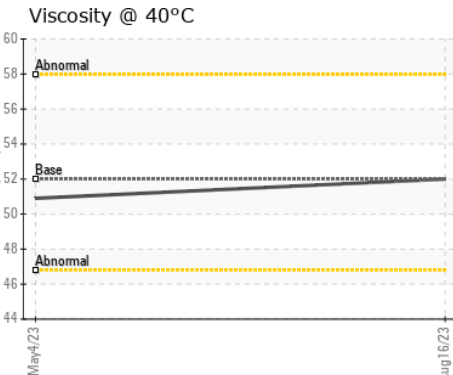
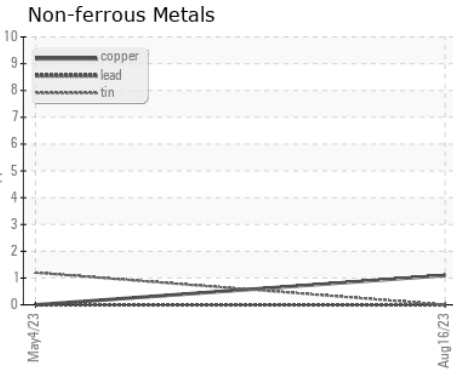
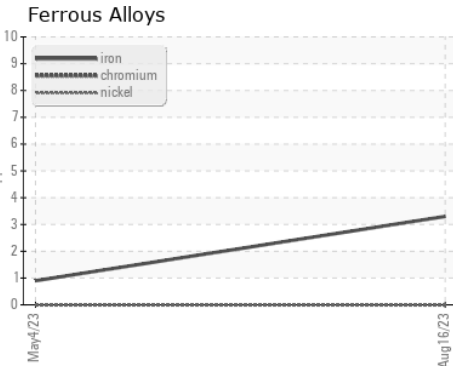
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 52	52.0	50.9	---

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. : UCH05934454 **Received** : 24 Aug 2023
Lab Number : **05934454** **Diagnosed** : 27 Aug 2023
Unique Number : 10619725 **Diagnostician** : Don Baldrige
Test Package : IND 2

A-L-L EQUIPMENT INC
 204 38TH ST
 MOLINE, IL
 US 61265

Contact: KEVIN DESPOT
 kevind@a-l-equipment.com
 T: (815)877-7000
 F: (309)762-9950

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)