



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
ULTRA COOLANT
Machine Id
NL1132 - VOSS PATTERN
Component
Compressor

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

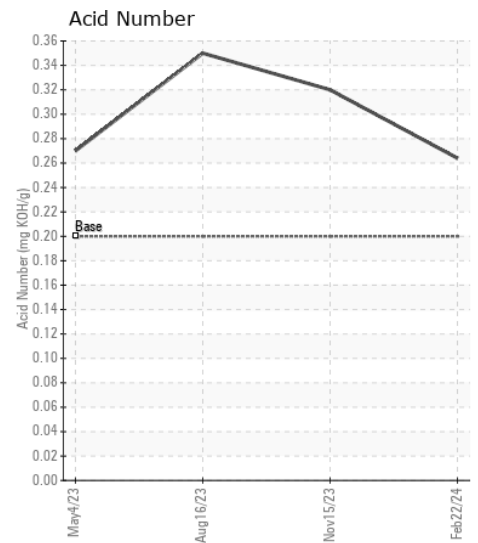
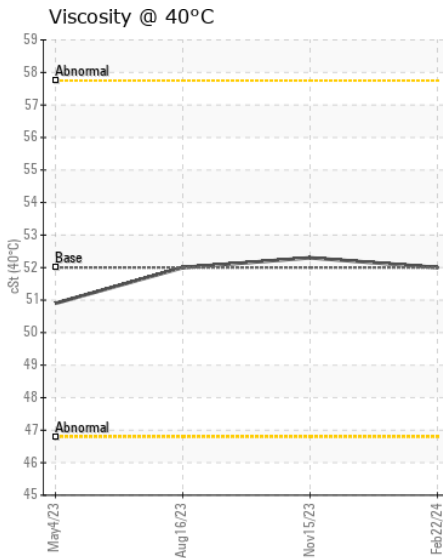
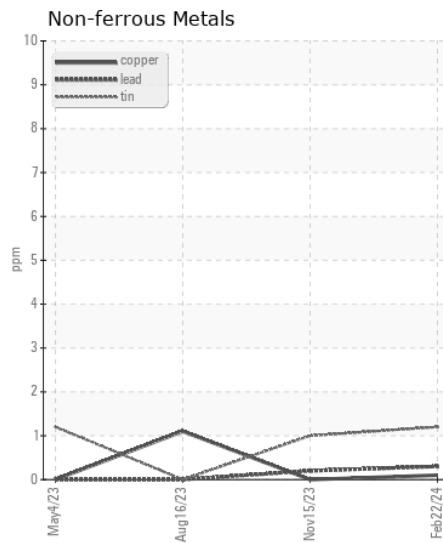
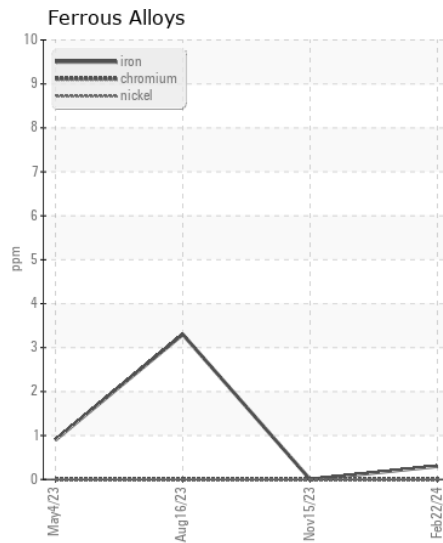
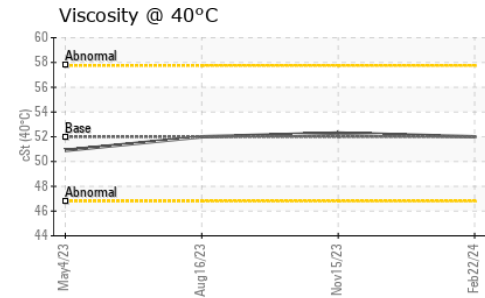
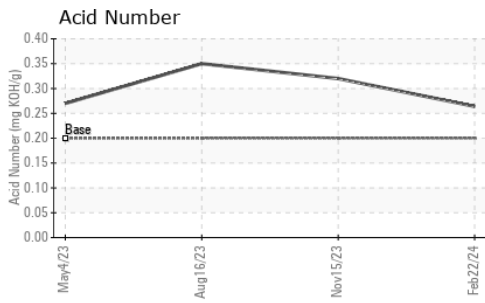
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06103093	UCH06015220	UCH05934454
Sample Date		Client Info		22 Feb 2024	15 Nov 2023	16 Aug 2023
Machine Age	hrs	Client Info		33726	56363	29174
Oil Age	hrs	Client Info		2400	8135	0
Filter Age	hrs	Client Info		2400	2100	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>50	<1	0	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	0	<1
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>50	<1	0	1
Tin	ppm	ASTM D5185m	>15	1	1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	HEAVY	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	3	9	9
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
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

Sodium	ppm	ASTM D5185m		40	87	92
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m	556	784	536	460
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	1	1
Magnesium	ppm	ASTM D5185m		<1	3	2
Calcium	ppm	ASTM D5185m	242	25	61	78
Phosphorus	ppm	ASTM D5185m	0	21	47	51
Zinc	ppm	ASTM D5185m	0	40	85	70
Sulfur	ppm	ASTM D5185m	306	365	362	376
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.264	0.32	0.35
Visc @ 40°C	cSt	ASTM D445	52	52.0	52.3	52.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06103093 **Received** : 28 Feb 2024
Lab Number : 06103093 **Tested** : 29 Feb 2024
Unique Number : 10901323 **Diagnosed** : 01 Mar 2024 - 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)