



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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06228778	UCH06103093	UCH06015220
Sample Date		Client Info		28 Jun 2024	22 Feb 2024	15 Nov 2023
Machine Age	hrs	Client Info		56751	33726	56363
Oil Age	hrs	Client Info		5396	2400	8135
Filter Age	hrs	Client Info		3020	2400	2100
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

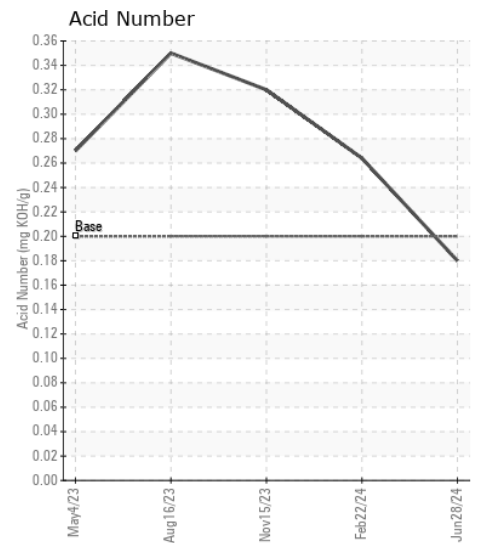
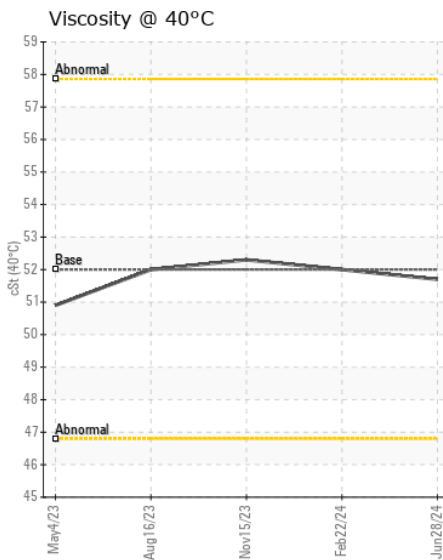
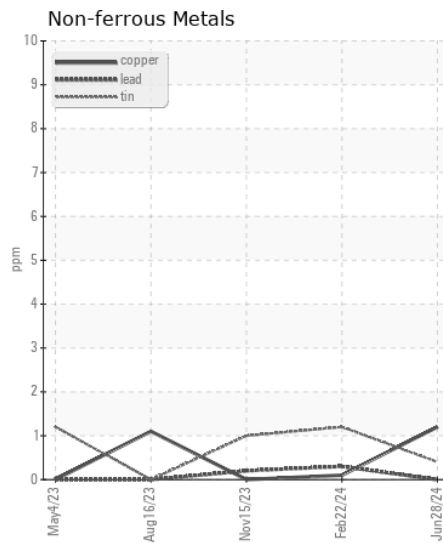
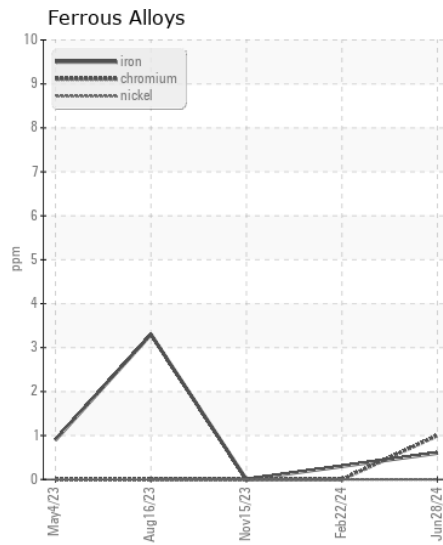
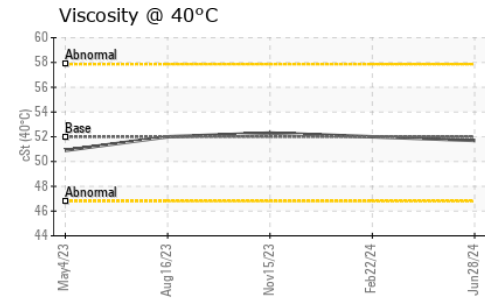
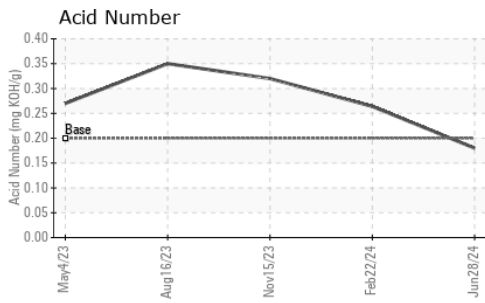
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	1	<1	<1
Potassium	ppm	ASTM D5185m	>20	8	3	9
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		63	40	87
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m	556	780	784	536
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		1	<1	3
Calcium	ppm	ASTM D5185m	242	11	25	61
Phosphorus	ppm	ASTM D5185m	0	14	21	47
Zinc	ppm	ASTM D5185m	0	40	40	85
Sulfur	ppm	ASTM D5185m	306	370	365	362
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.18	0.264	0.32
Visc @ 40°C	cSt	ASTM D445	52	51.7	52.0	52.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06228778 **Received** : 05 Jul 2024
Lab Number : 06228778 **Tested** : 08 Jul 2024
Unique Number : 11112271 **Diagnosed** : 08 Jul 2024 - Don Baldrige
Test Package : IND 2

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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)