



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
ULTRACHEM DPO [10230]
Machine Id
KAESER 1054 - CSDX.4C - FISHER CONTROLS
Component
Compressor
Fluid
ULTRACHEM CHEMLUBE PLUS 10 (9 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924348	WC06094348	UCH05905572
Sample Date		Client Info		01 Jul 2024	19 Feb 2024	12 Jul 2023
Machine Age	hrs	Client Info		11092	0	17760
Oil Age	hrs	Client Info		2047	754	4
Filter Age	hrs	Client Info		2047	754	4
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	1	2
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	1	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	3	4	3
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

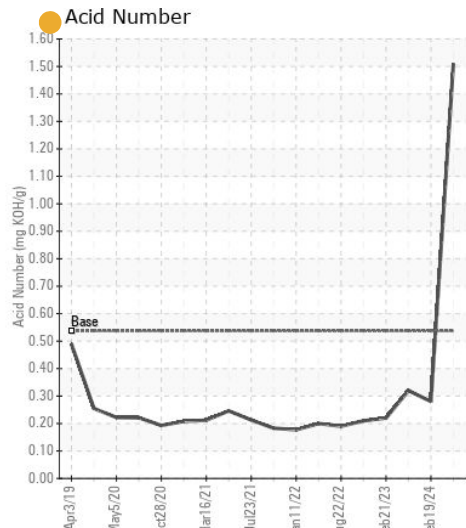
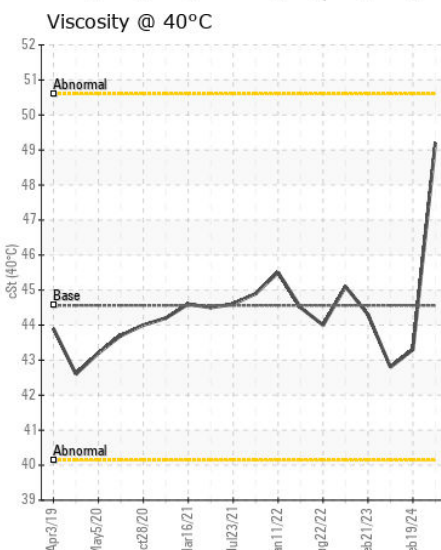
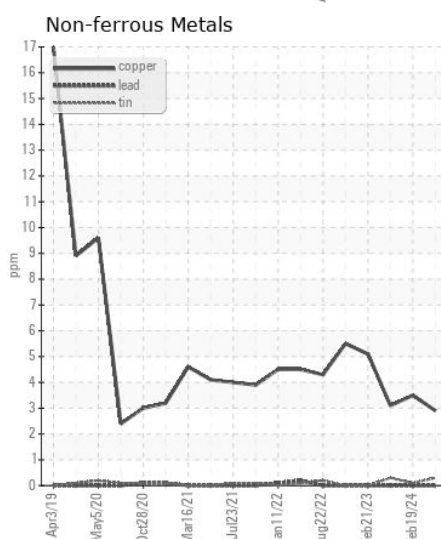
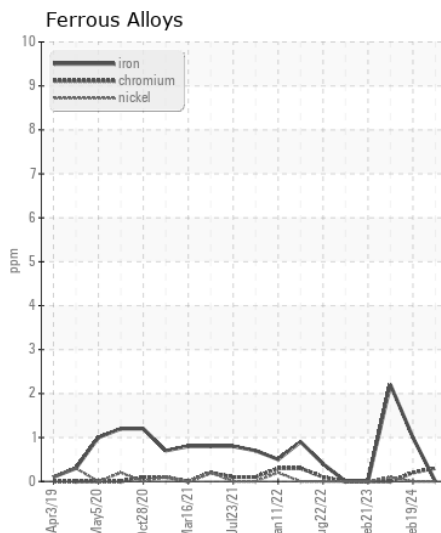
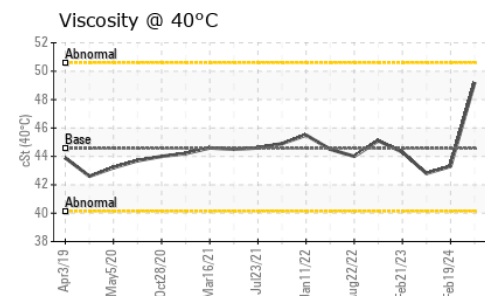
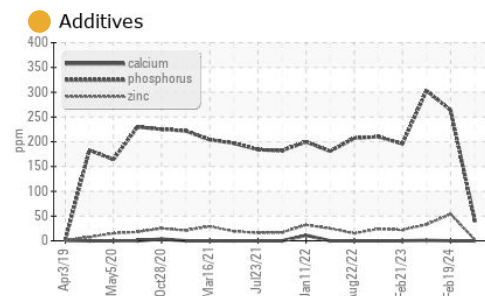
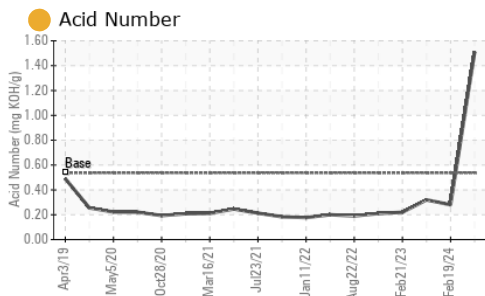
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	1	<1	<1
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.05	NEG	NEG	NEG

FLUID CONDITION

The AN level is at the top-end of the recommended limit. An additive depletion is indicated.

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m	0.1	<1	0	0
Barium	ppm	ASTM D5185m	0.8	<1	3	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	0.9	0	0	<1
Magnesium	ppm	ASTM D5185m	0	<1	<1	<1
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	409	43	264	303
Zinc	ppm	ASTM D5185m	0	3	54	33
Sulfur	ppm	ASTM D5185m	1290	259	998	1342
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	1.51	0.28	0.32
Visc @ 40°C	cSt	ASTM D445	44.56	49.2	43.3	42.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0924348
Lab Number : 06231567
Unique Number : 11115060
Test Package : IND 2
Received : 09 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Sean Felton

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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)