



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**DPA [7803]**  
 Machine Id  
**KAESER 1090 - 2766304 - CASCADES**  
 Component  
**Compressor**

**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		<b>UCH06061299</b>	UCH05905556	UCH05280871
Sample Date		Client Info		<b>04 Jan 2024</b>	11 Jul 2023	10 Jun 2021
Machine Age	hrs	Client Info		<b>97340</b>	93438	79617
Oil Age	hrs	Client Info		<b>8488</b>	4586	7527
Filter Age	hrs	Client Info		<b>6241</b>	2339	2379
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

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

**CONTAMINATION**

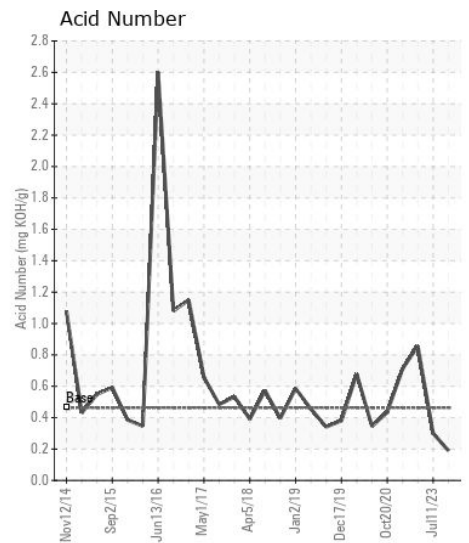
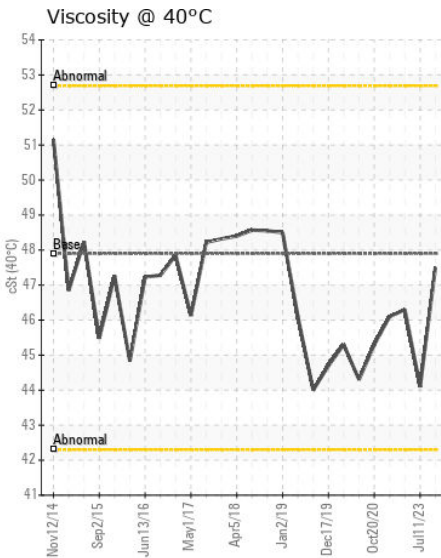
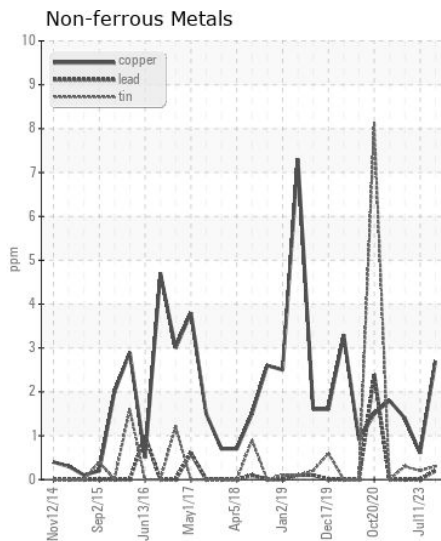
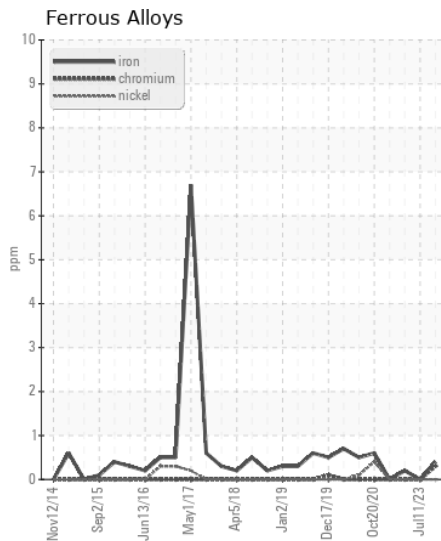
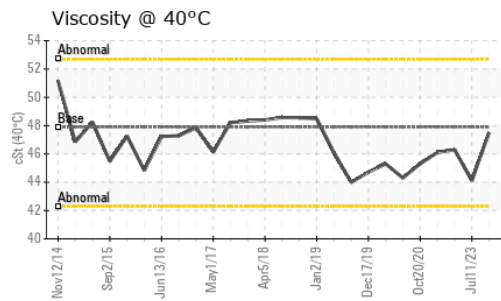
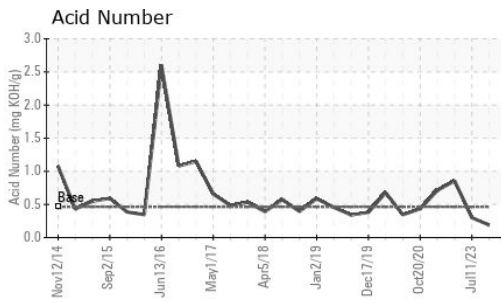
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	0	<1
Water		WC Method	>0.05	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>NEG</b>	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		<b>11</b>	<1	3
Boron	ppm	ASTM D5185m	1.5	<b>0</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185m	0	<b>2</b>	1	0
Calcium	ppm	ASTM D5185m	0	<b>90</b>	3	0
Phosphorus	ppm	ASTM D5185m	406	<b>243</b>	177	154
Zinc	ppm	ASTM D5185m	0	<b>26</b>	<1	50
Sulfur	ppm	ASTM D5185m	1283	<b>1392</b>	465	180
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	<b>0.19</b>	0.30	0.856
Visc @ 40°C	cSt	ASTM D445	47.9	<b>47.5</b>	44.1	46.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06061299 **Received** : 16 Jan 2024  
**Lab Number** : 06061299 **Diagnosed** : 17 Jan 2024  
**Unique Number** : 10832681 **Diagnostician** : Don Baldridge  
**Test Package** : IND 2

**DELTA INDUSTRIES - CEDAR RAPIDS**  
 6540 4TH ST SW  
 CEDAR RAPIDS, IA  
 US 52404  
 Contact: MICHAEL FERRIS  
 wearcheck@deltaind.net  
 T: (319)862-2500  
 F: (319)862-2501

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)