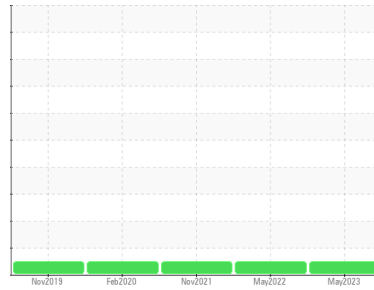


# OIL ANALYSIS REPORT

Area  
**DPO [4780]**  
Machine Id  
**KAESER 1077 - MAPEI CORP**  
Component  
**Compressor**

Sample Rating Trend



**NORMAL**



## 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			<b>UCH05860940</b>	UCH05568217	UCH05410816
Sample Date	Client Info			<b>22 May 2023</b>	27 May 2022	04 Nov 2021
Machine Age	hrs	Client Info		<b>47722</b>	39238	34700
Oil Age	hrs	Client Info		<b>4500</b>	4572	4200
Oil Changed	Client Info			<b>Not Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

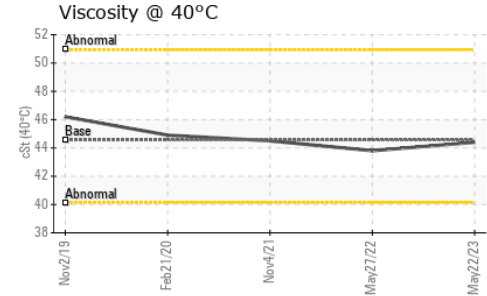
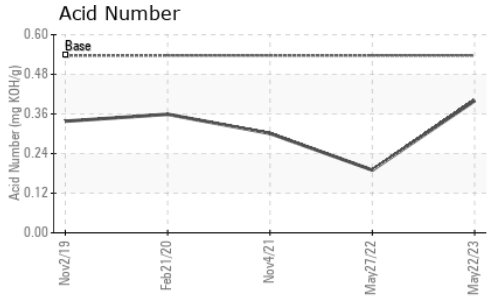
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	<1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>5</b>	<1	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>5</b>	1	7
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.1	<b>0</b>	0	23
Barium	ppm	ASTM D5185m	0.8	<b>4</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.9	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>31</b>	0	19
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	409	<b>5</b>	209	0
Zinc	ppm	ASTM D5185m	0	<b>0</b>	1	11
Sulfur	ppm	ASTM D5185m	1290	<b>19111</b>	2663	14647

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>6</b>	12	6
Sodium	ppm	ASTM D5185m		<b>11</b>	<1	30
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	6

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	<b>0.40</b>	0.19	0.301

# OIL ANALYSIS REPORT



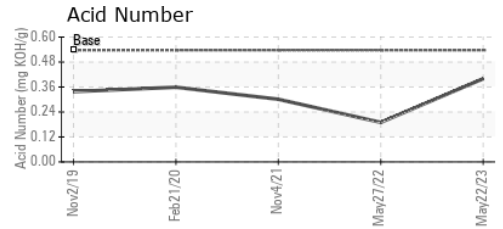
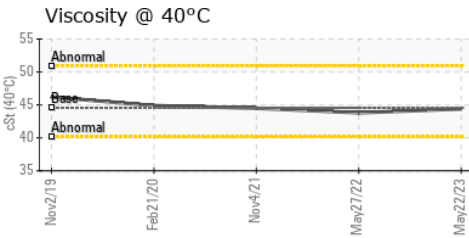
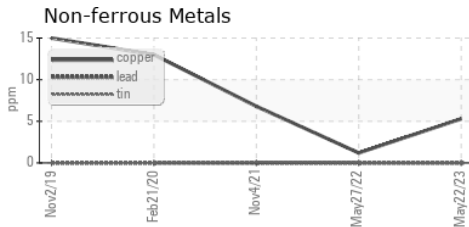
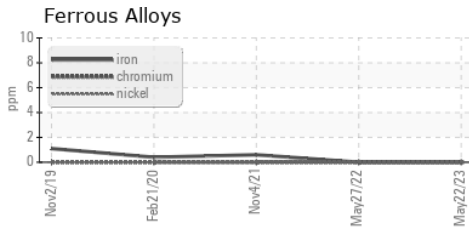
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.56	<b>44.4</b>	43.8	44.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH05860940 **Received** : 31 May 2023  
**Lab Number** : 05860940 **Tested** : 01 Jun 2023  
**Unique Number** : 10495405 **Diagnosed** : 02 Jun 2023 - Jonathan Hester  
**Test Package** : IND 2

**DELTA INDUSTRIES - DOWNERS GROVE**  
 2201 CURTISS STREET  
 DOWNERS GROVE, IL  
 US 60515  
 Contact: MICHAEL FERRIS

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) T: F: (630)960-3931