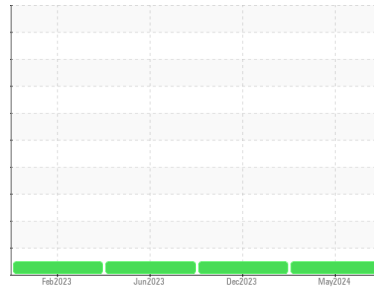




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**FG-460**  
 Machine Id  
**KAESER 1193 - MAGENTA LLC**  
 Component  
**Compressor**

### 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>UDI0000170</b>	UCH06048980	UCH05885695
Sample Date	Client Info			<b>24 May 2024</b>	19 Dec 2023	13 Jun 2023
Machine Age	hrs	Client Info		<b>9500</b>	7567	6330
Oil Age	hrs	Client Info		<b>1500</b>	1237	1138
Oil Changed	Client Info			<b>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

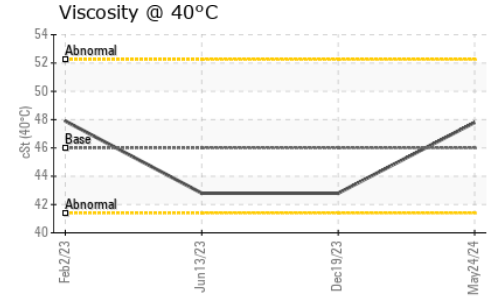
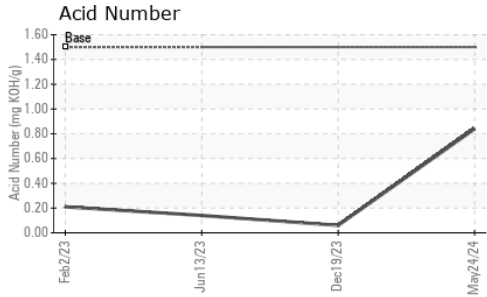
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>3</b>	0	2
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	2
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	2
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	2
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	1
Aluminum	ppm	ASTM D5185m	>10	<b>8</b>	<1	4
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	5
Copper	ppm	ASTM D5185m	>50	<b>1</b>	1	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	2

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	8
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	2
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	9
Calcium	ppm	ASTM D5185m		<b>0</b>	1	<1
Phosphorus	ppm	ASTM D5185m	500	<b>333</b>	31	34
Zinc	ppm	ASTM D5185m		<b>164</b>	0	25
Sulfur	ppm	ASTM D5185m		<b>1825</b>	1541	1596

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	2
Sodium	ppm	ASTM D5185m		<b>2</b>	2	2
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	1.5	<b>0.84</b>	0.06	0.14

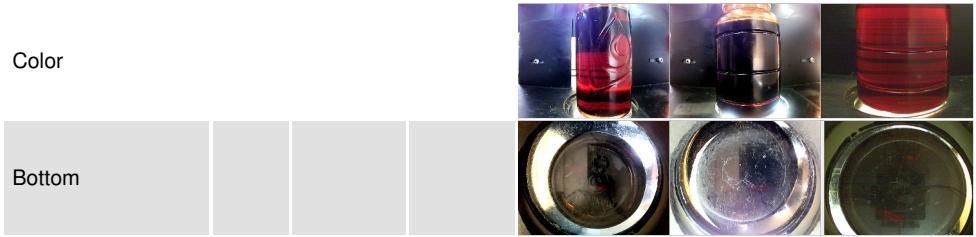
# OIL ANALYSIS REPORT



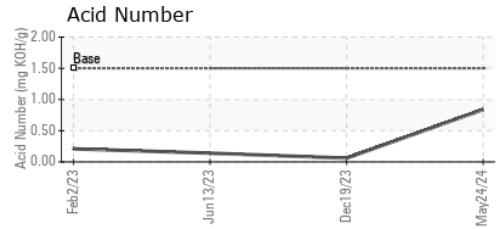
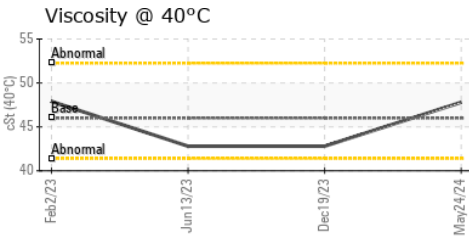
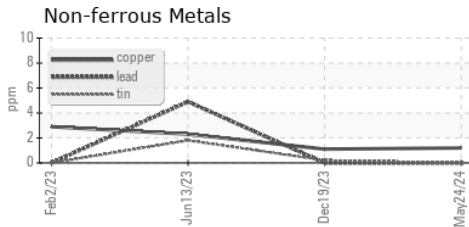
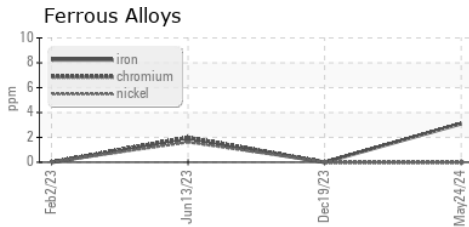
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 46	<b>47.8</b>	42.8	42.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UDI0000170      **Received** : 04 Jun 2024  
**Lab Number** : **06199418**      **Tested** : 05 Jun 2024  
**Unique Number** : 11061541      **Diagnosed** : 07 Jun 2024 - 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: (630)960-3931