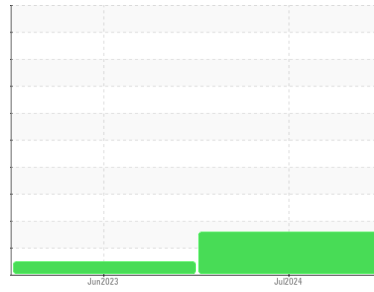




# OIL ANALYSIS REPORT

Area  
**S-460**  
Machine Id  
**KAESER 1046 - PENSKE MONTGOMERY IL**  
Component  
**Compressor**

### Sample Rating Trend



WATER



### DIAGNOSIS

#### Recommendation

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

#### Wear

All component wear rates are normal.

#### Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UDI0000447</b>	UCH05885707	---
Sample Date	Client Info		<b>09 Jul 2024</b>	14 Jun 2023	---
Machine Age	hrs	Client Info	<b>10744</b>	7885	---
Oil Age	hrs	Client Info	<b>2859</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ATTENTION</b>	NORMAL	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>&lt;1</b>	2	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185m >3	<b>&lt;1</b>	2	---
Silver	ppm	ASTM D5185m >2	<b>0</b>	1	---
Aluminum	ppm	ASTM D5185m >10	<b>3</b>	4	---
Lead	ppm	ASTM D5185m >10	<b>&lt;1</b>	5	---
Copper	ppm	ASTM D5185m >50	<b>3</b>	9	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	2	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	---
Barium	ppm	ASTM D5185m 90	<b>&lt;1</b>	8	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m 90	<b>35</b>	10	---
Calcium	ppm	ASTM D5185m 2	<b>0</b>	<1	---
Phosphorus	ppm	ASTM D5185m	<b>8</b>	5	---
Zinc	ppm	ASTM D5185m	<b>23</b>	57	---
Sulfur	ppm	ASTM D5185m	<b>16292</b>	17901	---

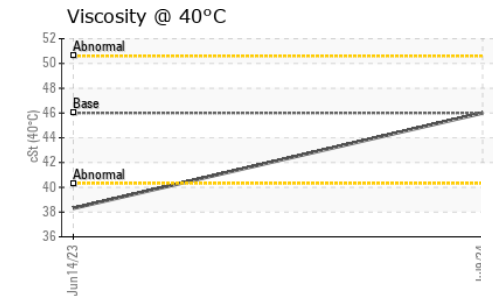
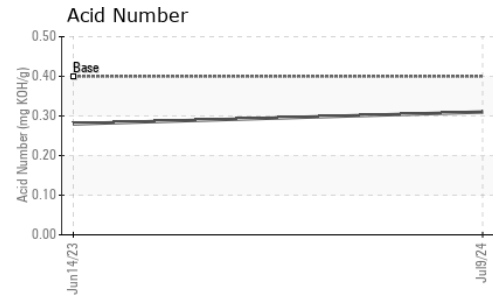
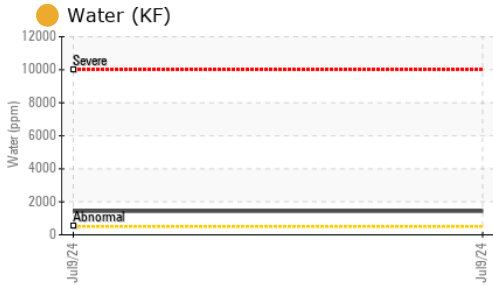
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	2	---
Sodium	ppm	ASTM D5185m	<b>3</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	6	---
Water	%	ASTM D6304 >0.05	<b>0.143</b>	---	---
ppm Water	ppm	ASTM D6304 >500	<b>1430</b>	---	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.31</b>	0.28	---

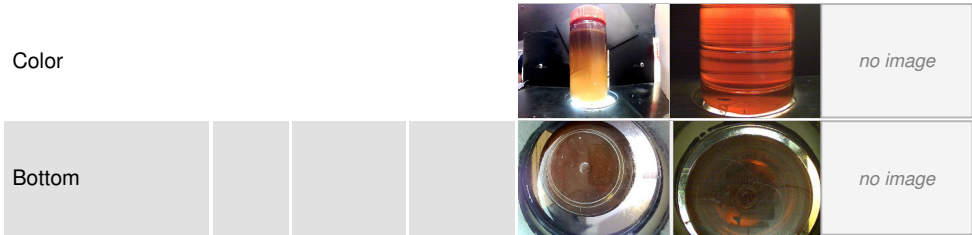
# OIL ANALYSIS REPORT



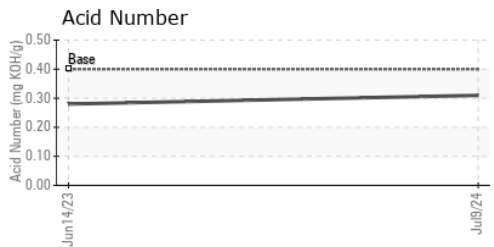
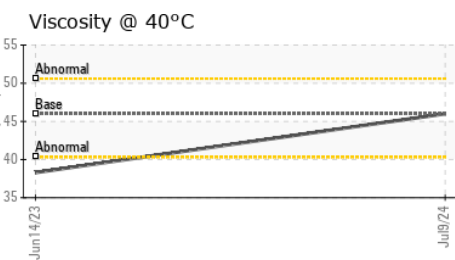
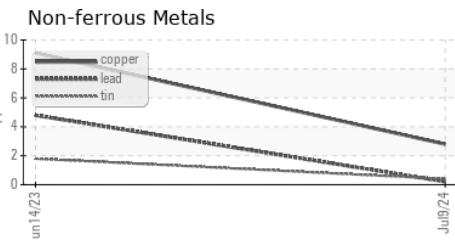
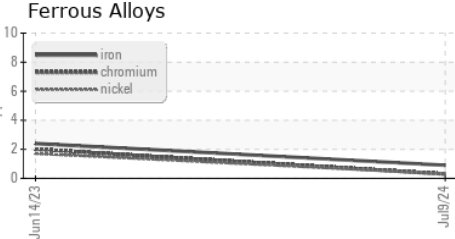
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	MODER	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 46	46.0	38.3	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UDI0000447      **Received** : 17 Jul 2024  
**Lab Number** : 06239229      **Tested** : 18 Jul 2024  
**Unique Number** : 11128063      **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF )

**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