

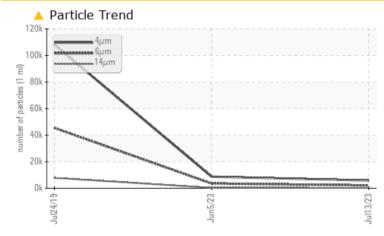
## **PROBLEM SUMMARY**

KAESER SM10T 5594440 (S/N 1387)

Compressor

## KAESER SIGMA (OEM) S-460 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

THOBELMATIO TEOTT	LOOLIO				
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >6µm	ASTM D7647	>1300	<u> </u>	<b>A</b> 3581	<b>4</b> 5446
Particles >14µm	ASTM D7647	>80	🔺 254	<b>A</b> 338	<b>A</b> 7807
Particles >21µm	ASTM D7647	>20	<u> </u>	<b>6</b> 4	<u> </u>
Particles >38µm	ASTM D7647	>4	<u> </u>	1	<u> </u>
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>	🔺 20/19/16	<b>A</b> 23/20

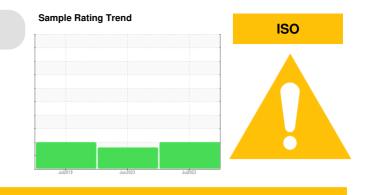
Customer Id: CARFORTX Sample No.: KCPA004476 Lab Number: 05903331 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>



### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### HISTORICAL DIAGNOSIS

### 05 Jun 2023 Diag: Don Baldridge

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### 24 Jul 2019 Diag: Jonathan Hester

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**

### Machine Id KAESER SM10T 5594440 (S/N 1387) Component

Compressor Fluid

KAESER SIGMA (OEM) S-460 (--- GAL)

### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

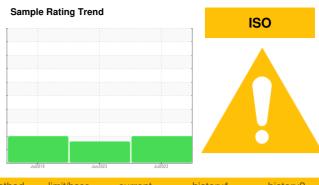
All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



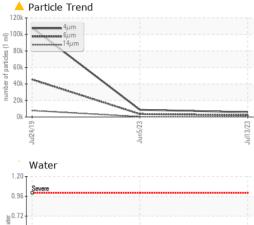
Sample NumberClient InfoKCPA00447KCPA00228KCP17129Sample DateClient Info13 Jul 202305 Jun 202324 Jul 2019Machine AgehrsClient Info445683867718106Oil Age'Client InfoN/AN/AChangedSample StatusIClient InfoN/AN/AChangedWEAR METALSmethodImbisoryNistoryNistoryNistoryInonpmASTM 05158>50000ChromiumpmASTM 05158>30000NickelpmASTM 05158>30000SilverpmASTM 05158>30000SilverpmASTM 05158>101000CopperpmASTM 05158>101100AntmonypmASTM 05158101000VanadiumpmASTM 05158101000AdminumpmASTM 0515810000AdminumpmASTM 05158101000NamepmASTM 05158101000AdminumpmASTM 0515810000AdminumpmASTM 05158101000AdminumpmASTM 05158101000AdminumpmASTM 05158100	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age         hrs         Client Info         44585         43857         18106           Oil Age         hrs         Client Info         0         0         3000           Oil Changed         Client Info         N/A         N/A         ABNORMAL         ABNORMAL         ABNORMAL         ABNORMAL           Sample Status         n         nethod         limit/base         current         history1         history2           Iron         ppm         ASTM 05185n         >50         0         0         <1           Chromium         ppm         ASTM 05185n         >30         0         <1         0           Nickel         ppm         ASTM 05185n         >30         0         0         <1           Lead         ppm         ASTM 05185n         >10         <1         0         0         0           Antimony         ppm         ASTM 05185n         >10         <1         0         0         0           Adadium         ppm         ASTM 05185n         >10         <1         0         0         0           Adatimum         ppm         ASTM 05185n         >0         0         0         0         0 <td< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>KCPA004476</th><th>KCPA002281</th><th>KCP17129</th></td<>	Sample Number		Client Info		KCPA004476	KCPA002281	KCP17129
Oil Age         hrs         Client Info         0         0         3000           Oil Changed         Client Info         N/A         N/A         Changed           Sample Status         Client Info         N/A         ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         limitbase         current         history1         history2           Iron         ppm         ASTM 05185m         >50         0         0         <1           Chromium         ppm         ASTM 05185m         >3         0         <1         0           Nickel         ppm         ASTM 05185m         >2         <1         0         <1           Aluminum         ppm         ASTM 05185m         >10         <1         0         <1           Auminum         ppm         ASTM 05185m         >10         <1         0         0           Copper         ppm         ASTM 05185m         >10         <1         0         0           Cadmium         ppm         ASTM 05185m         0         0         0         0           Addium         ppm         ASTM 05185m         0         0         0         0	Sample Date		Client Info		13 Jul 2023	05 Jun 2023	24 Jul 2019
Oil Changed Sample Status         Client Info         N/A         N/A         N/A         Changed ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185n         >50         0         0         <1           Chromium         ppm         ASTM D5185n         >3         0         <1         0           Nickel         ppm         ASTM D5185n         >3         0         <1         0           Nickel         ppm         ASTM D5185n         >3         0         <1         0           Intinum         ppm         ASTM D5185n         >3         0         0         <1           Aluminum         ppm         ASTM D5185n         >10         <1         0         0           Cadmium         ppm         ASTM D5185n         <0         0         0         0           Antimony         ppm         ASTM D5185n         0         0         0         0           Antimony         ppm         ASTM D5185n         0         0         0         0           Antinony         ppm         ASTM D5185n <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>44585</th> <th>43857</th> <th>18106</th>	Machine Age	hrs	Client Info		44585	43857	18106
Sample Status         method         Imit/base         current         ABNORMAL         ABNORMAL         ABNORMAL           WEAR METALS         method         limit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >3         0         0         0           Aluminum         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         5         13         31           Tin         ppm         ASTM D5185m         >0         <1         0         0           Cadarnium         ppm         ASTM D5185m         0         0         0         0           Cadarnium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0	Oil Age	hrs	Client Info		0	0	3000
Sample Status         method         imit/base         current         ABNORMAL         ABNORMAL           WEAR METALS         method         imit/base         current         history1         history2           Iron         ppm         ASTM D5185m         >50         0         0         <1           Chromium         ppm         ASTM D5185m         >3         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         <1           Itanium         ppm         ASTM D5185m         >30         0         <1         0           Aluminum         ppm         ASTM D5185m         >10         0         0         <1           Lead         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         50         5         13         31           Tin         ppm         ASTM D5185m         10         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         37         <1	Oil Changed		Client Info		N/A	N/A	Changed
Iron         ppm         ASTM D5185m         >50         0         0         <1	-				ABNORMAL	ABNORMAL	ABNORMAL
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         <1         0           Silver         ppm         ASTM D5185m         >3         0         0         <1           Aluminum         ppm         ASTM D5185m         >10         0         <1         0           Lead         ppm         ASTM D5185m         >50         5         13         31           Tin         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         >10         <1         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         2         0         0 </th <th>WEAR METALS</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	WEAR METALS		method	limit/base	current	history1	history2
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         <1         0           Titanium         ppm         ASTM D5185m         >3         0         0         <1           Silver         ppm         ASTM D5185m         >10         0         0         <1           Aluminum         ppm         ASTM D5185m         >10         <1         0         0           Copper         ppm         ASTM D5185m         >50         5         13         31           Tin         ppm         ASTM D5185m         >50         5         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         90         37         <1         <1           Barium         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         2	Iron	ppm	ASTM D5185m	>50	0	0	<1
Nickel         ppm         ASTM D5185m         >3         0         <1	Chromium		ASTM D5185m	>10	0	0	0
Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         <1         0         <1           Aluminum         ppm         ASTM D5185m         >10         0         0         <1           Lead         ppm         ASTM D5185m         >50         5         13         31           Tin         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         >10         <1         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         0         2         0         2           Sulfur         ppm         ASTM D5185m         2         0         0         0 <th>Nickel</th> <th></th> <th>ASTM D5185m</th> <th>&gt;3</th> <th>0</th> <th>&lt;1</th> <th>0</th>	Nickel		ASTM D5185m	>3	0	<1	0
Silver       ppm       ASTM D5185m       >2       <1	Titanium		ASTM D5185m	>3	0	0	0
Atuminum         ppm         ASTM D5185m         >10         0         0         <11					<1	0	<1
Lead         ppm         ASTM D5185m         >10         <1	Aluminum			>10		0	
Copper         ppm         ASTM D5185m         >50         5         13         31           Tin         ppm         ASTM D5185m         >10         <1         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Malydenum         ppm         ASTM D5185m         0         0         0         0           Marganese         ppm         ASTM D5185m         0         0         0         0           Maganesium         ppm         ASTM D5185m         0         2         0         0           Sulfur         ppm         ASTM D5185m         2         0         0         0           Sulfur         ppm         ASTM D5185m         2         0         0         0           Sulfur         ppm         ASTM D5185m         25         0         <1         1					<1	0	
Tin       ppm       ASTM D5185m       >10       <1							
Antimony         ppm         ASTM D5185m           0           Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         0         22         0         0           Sulfur         ppm         ASTM D5185m         226         10         0         0           Sulfur         ppm         ASTM D5185m         226         10         0         0           Sulfur         ppm         ASTM D5185m         22         0         0         0           Sulfur         ppm         ASTM D5185m         22         0         0         0           Sulfur					-		
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         0         <1							
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1	•						
ADDITIVES         method         limit/base         current         history1         history2           Boron         ppm         ASTM D5185m         0         0         <1           Barium         ppm         ASTM D5185m         90         4         0         0           Molybdenum         ppm         ASTM D5185m         90         37         <1         <1           Magnesium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         0         0         0         0           Phosphorus         ppm         ASTM D5185m         26         10         0         0           Sulfur         ppm         ASTM D5185m         225         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         0         0           Sulfur         ppm         ASTM D5185m         20         2         0         0 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Boron         ppm         ASTM D5185m         0         4         0         <1		ppm		11 11 11		-	-
Barium         ppm         ASTM D5185m         90         4         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         0         0           Vater         %         ASTM D5185m         >20         2         0.004				limit/base			
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         2         0         0         0           Zinc         ppm         ASTM D5185m         0         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >20         2         0         0           Potassium         ppm         ASTM D5185m         >20         2         0         0           Water         %         ASTM D6304         >0.05         0.022         0.004         0.009           pm Water         pm         ASTM D6304         >500         225.5         49.5 <t< th=""><th>Boron</th><th>ppm</th><th></th><th></th><th></th><th></th><th></th></t<>	Boron	ppm					
Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         37         <1         <1           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         2         0         0         0           Zinc         ppm         ASTM D5185m         0         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         0         0           Vater         %         ASTM D5185m         >20         2         0.004         0.009           ppm Water         ppm         ASTM D6304         >0.05         0.022         0.004         0.009           Particles >4µm         ASTM D7647         >1300         2130         3581		ppm		90			
Magnesium         ppm         ASTM D5185m         90         37         <1	•	ppm					
Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         0         2         0           Zinc         ppm         ASTM D5185m         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         0         0           Potassium         ppm         ASTM D5185m         >20         2         0         0           Water         %         ASTM D6304         >0.05         0.022         0.004         0.009           ppm Water         ppm         ASTM D7647         \$1300         \$255         49.5         94.9           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >1300         \$254         \$338         7807	0						
Phosphorus         ppm         ASTM D5185m         0         2         0           Zinc         ppm         ASTM D5185m         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1	•						
Zinc         ppm         ASTM D5185m         26         10         0           Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >25         0         <1         <1           Potassium         ppm         ASTM D5185m         >20         2         0         0           Water         %         ASTM D6304         >0.05         0.022         0.004         0.009           ppm Water         ppm         ASTM D6304         >500         225.5         49.5         94.9           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >1300         2130         3581         45446           Particles >14µm         ASTM D7647         >80         254         338         <		ppm		2			
Sulfur         ppm         ASTM D5185m         21247         16397         13395           CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1					-		
CONTAMINANTS         method         limit/base         current         history1         history2           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         2         0         0           Potassium         ppm         ASTM D5185m         >20         2         0         0           Water         %         ASTM D6304         >0.05         0.022         0.004         0.009           ppm Water         ppm         ASTM D6304         >500         225.5         49.5         94.9           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         >1300         2130         3581         45446           Particles >6µm         ASTM D7647         >80         254         338         7807           Particles >14µm         ASTM D7647         >20         80         64         1999           Particles >38µm         ASTM D7647         >3         0         0         2           Oil Cleanliness         ISO 4406 (c)         >/171/3         20/18/15         20/19/16					-		÷
Silicon       ppm       ASTM D5185m       >25       0       <1       <1         Sodium       ppm       ASTM D5185m       >20       2       0       0         Potassium       ppm       ASTM D5185m       >20       2       0       0         Water       %       ASTM D6304       >0.05       0.022       0.004       0.009         ppm Water       ppm       ASTM D6304       >500       225.5       49.5       94.9         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       >1300       2130       3581       45446         Particles >6µm       ASTM D7647       >80       254       338       7807         Particles >14µm       ASTM D7647       >20       80       64       1999         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >38µm       ASTM D7647       >3       0       0       2         Oil Cleanliness       ISO 4406 (c)       >/17/13       20/18/15       20/19/16       23/20         FLUID DEGRADATION       method       limit/base       current       <	Sulfur	ppm	ASTM D5185m		21247	16397	13395
Sodium         ppm         ASTM D5185m         6         <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium       ppm       ASTM D5185m       >20       2       0       0         Water       %       ASTM D6304       >0.05       0.022       0.004       0.009         ppm Water       ppm       ASTM D6304       >500       225.5       49.5       94.9         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       5824       8736       108199         Particles >6µm       ASTM D7647       >1300       2130       3581       45446         Particles >6µm       ASTM D7647       >80       254       338       7807         Particles >14µm       ASTM D7647       >20       80       64       1999         Particles >21µm       ASTM D7647       >4       6       1       52         Particles >38µm       ASTM D7647       >3       0       0       2         Oil Cleanliness       ISO 4406 (c)      /17/13       20/18/15       20/19/16       23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Water       %       ASTM D6304       >0.05       0.022       0.004       0.009         ppm Water       ppm       ASTM D6304       >500       225.5       49.5       94.9         FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       5824       8736       108199         Particles >6µm       ASTM D7647       >1300       2130       3581       45446         Particles >14µm       ASTM D7647       >80       254       338       7807         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >38µm       ASTM D7647       >4       6       1       52         Particles >71µm       ASTM D7647       3       0       20/18/15       20/19/16       23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	Sodium	ppm	ASTM D5185m		6	<1	0
ppm Water         ppm         ASTM D6304         >500         225.5         49.5         94.9           FLUID CLEANLINESS         method         limit/base         current         history1         history2           Particles >4µm         ASTM D7647         5824         8736         108199           Particles >6µm         ASTM D7647         >1300         2130         3581         45446           Particles >14µm         ASTM D7647         >80         254         338         7807           Particles >21µm         ASTM D7647         >20         80         64         1999           Particles >38µm         ASTM D7647         >4         6         1         52           Particles >71µm         ASTM D7647         >3         0         20/18/15         20/19/16         23/20           FLUID DEGRADATION         method         limit/base         current         history1         history2	Potassium	ppm	ASTM D5185m	>20	2	0	0
FLUID CLEANLINESS       method       limit/base       current       history1       history2         Particles >4µm       ASTM D7647       5824       8736       108199         Particles >6µm       ASTM D7647       >1300       2130       3581       45446         Particles >14µm       ASTM D7647       >80       254       338       7807         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >38µm       ASTM D7647       >4       6       1       52         Particles >71µm       ASTM D7647       >3       0       0       2         Oil Cleanliness       ISO 4406 (c)       >/17/13       20/18/15       20/19/16       23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	Water	%	ASTM D6304	>0.05	0.022	0.004	0.009
Particles >4µm       ASTM D7647       5824       8736       108199         Particles >6µm       ASTM D7647       >1300       2130       3581       45446         Particles >14µm       ASTM D7647       >80       254       338       7807         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >21µm       ASTM D7647       >20       80       64       1999         Particles >38µm       ASTM D7647       >4       6       1       52         Particles >71µm       ASTM D7647       >3       0       0       2         Oil Cleanliness       ISO 4406 (c)       >/17/13       20/18/15       20/19/16       23/20	ppm Water	ppm	ASTM D6304	>500	225.5	49.5	94.9
Particles >6µm       ASTM D7647       >1300       ▲ 2130       ▲ 3581       ▲ 45446         Particles >14µm       ASTM D7647       >80       ▲ 254       ▲ 338       ▲ 7807         Particles >21µm       ASTM D7647       >20       ▲ 80       ▲ 64       ▲ 1999         Particles >38µm       ASTM D7647       >4       ▲ 6       1       ▲ 52         Particles >38µm       ASTM D7647       >4       ▲ 6       1       ▲ 52         Particles >71µm       ASTM D7647       >3       0       0       ▲ 2         Oil Cleanliness       ISO 4406 (c)       >/17/13       ▲ 20/18/15       ▲ 20/19/16       ▲ 23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm       ASTM D7647       >80       ▲ 254       ▲ 338       ▲ 7807         Particles >21µm       ASTM D7647       >20       ▲ 80       ▲ 64       ▲ 1999         Particles >38µm       ASTM D7647       >4       ▲ 6       1       ▲ 52         Particles >71µm       ASTM D7647       >3       0       0       ▲ 2         Oil Cleanliness       ISO 4406 (c)       >/17/13       ▲ 20/18/15       ▲ 20/19/16       ▲ 23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >4µm		ASTM D7647		5824	8736	108199
Particles >21µm       ASTM D7647       >20       ▲ 80       ▲ 64       ▲ 1999         Particles >38µm       ASTM D7647       >4       ▲ 6       1       ▲ 52         Particles >71µm       ASTM D7647       >3       0       0       ▲ 2         Oil Cleanliness       ISO 4406 (c)       >/17/13       ▲ 20/18/15       ▲ 20/19/16       ▲ 23/20         FLUID DEGRADATION       method       limit/base       current       history1       history2	Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	<b>4</b> 5446
Particles >38μm         ASTM D7647         >4         ▲ 6         1         ▲ 52           Particles >71μm         ASTM D7647         >3         0         0         ▲ 2           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 20/18/15         ▲ 20/19/16         ▲ 23/20           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >14µm				🔺 254	<mark>▲</mark> 338	<b>A</b> 7807
Particles >71μm         ASTM D7647         >3         0         △         2           Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲         20/18/15         ▲         20/19/16         ▲         23/20           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >21µm			>20	<u> </u>	<b>6</b> 4	<b>1</b> 999
Oil Cleanliness         ISO 4406 (c)         >/17/13         ▲ 20/18/15         ▲ 20/19/16         ▲ 23/20           FLUID DEGRADATION         method         limit/base         current         history1         history2	Particles >38µm		ASTM D7647	>4	<u> </u>	1	<mark>▲</mark> 52
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	<u> </u>
· · · · ·	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 20/18/15	<b>2</b> 0/19/16	▲ 23/20
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.30 0.36 0.387	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.30	0.36	0.387

Acid Number (AN) Report Id: CARFORTX [WUSCAR] 05903331 (Generated: 07/24/2023 11:11:46) Rev: 1

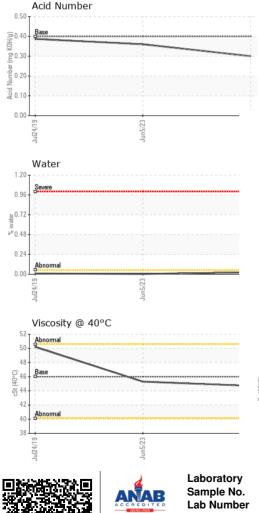
Contact/Location: Service Manager - CARFORTX

### - **- (** · COMPRESSORS Built for a lifetime.

# **OIL ANALYSIS REPORT**

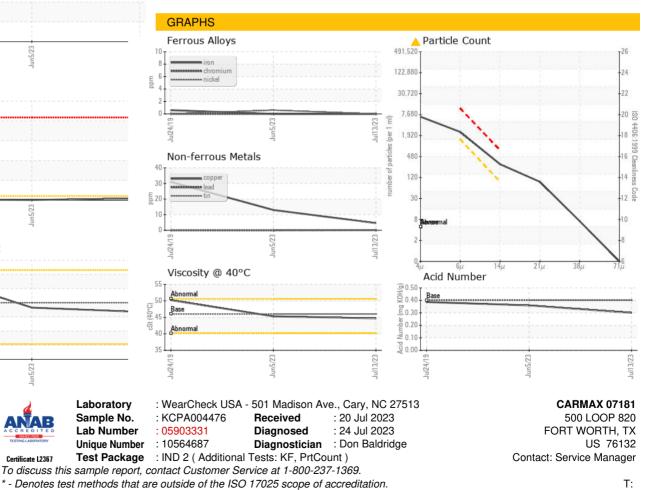






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.7	45.3	50.2
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367