

## **PROBLEM SUMMARY**

Sample Rating Trend

ISO

Machine Id

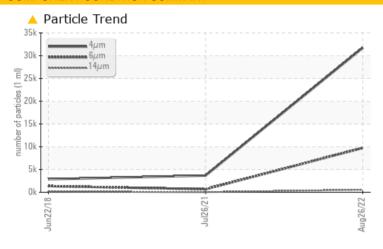
# KAESER ASD 40ST 4407514 (S/N 1041)

Component

Compressor

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

### **COMPONENT CONDITION SUMMARY**



### RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	NORMAL	ATTENTION		
Particles >6μm	ASTM D7647	>1300	<b>△</b> 9738	668	<u></u> 1354		
Particles >14μm	ASTM D7647	>80	<b>546</b>	27	<b>▲</b> 147		
Particles >21µm	ASTM D7647	>20	<u>▲</u> 82	7	<u>^</u> 29		
Particles >38µm	ASTM D7647	>4	<u> </u>	0	0		
Oil Cleanliness	ISO 4406 (c)	>/17/13	<b>22/20/16</b>	17/12	▲ 18/14		

Customer Id: ARCSTLMO Sample No.: KCP50543 Lab Number: 05635041 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 customerservice@wearcheck.com

### **RECOMMENDED ACTIONS**

Action	Status	Date	Done By	Description
Change Fluid			?	Oil and filter change at the time of sampling has been noted.
Change Filter			?	Oil and filter change at the time of sampling has been noted.

### HISTORICAL DIAGNOSIS

### 26 Jul 2021 Diag: Angela Borella

#### NORMAL



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. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### 22 Jun 2018 Diag: Angela Borella

ISO

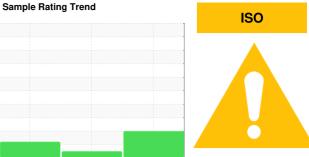


Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**



# KAESER ASD 40ST 4407514 (S/N 1041)

Compressor

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

### **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

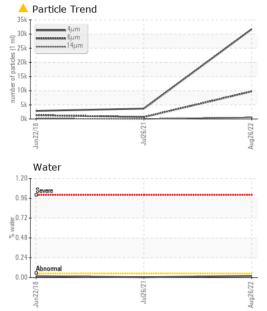
SAMPLE INFORMATION			Jur	2018	Jul2021 Aug20	77	
Sample Number         KCP50543         KCP42677         KCP06506           Sample Date         26 Aug 2022         26 Jul 2021         22 Jun 2018           Machine Age         hrs         24980         22544         15177           Oil Age         hrs         3000         7000         1759           Oil Changed         hrs         3000         7000         1759           Changed Sample Status         method         limit/base         current         history 1         history 2           Iron         ppm         ASTM D5185m         >50         <1	SAMPLE INFORM	MATION					history 2
Sample Date         26 Aug 2022         26 Jul 2021         22 Jun 2018           Machine Age         hrs         24980         225444         15177           Oil Age         hrs         3000         7000         1759           Oil Changed         Changed         Changed         Changed         Changed           Sample Status         method         limit/base         current         history 1         history 2           Iron         ppm         ASTM D5185m         >50         <1							
Machine Age         hrs         24980         22544         15177           Oil Age         hrs         3000         7000         1759           Oil Changed         ATTENTION         Changed         <	·						
Oil Age         hrs         3000         7000         1759           Oil Changed Sample Status         ABNORMAL         Changed Changed Changed ABNORMAL         Changed ABNORMAL         Changed ABNORMAL         ATTENTION           WEAR METALS         method         limit/base         current         history 1         history 2           Iron         ppm         ASTM D5185m         >50         <1         0         <1           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         0           Aluminum         ppm         ASTM D5185m         >10         <1         1         0           Copper         ppm         ASTM D5185m         >10         0         0         0           Tin         ppm         ASTM D5185m         >10         0         0         0           Tin         ppm         ASTM D5185m         >0         0         0         0           Calcadium         ppm         ASTM D5185m         0         0 <t< th=""><th></th><th>hrs</th><th></th><th></th><th>•</th><th></th><th></th></t<>		hrs			•		
Oil Changed Sample Status         method         limit/base         current         history 1         changed ABNORMAL         ATTENTION           WEAR METALS         method         limit/base         current         history 1         history 2           Iron         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         0         0         0           Silver         ppm         ASTM D5185m         >10         <1         1         0         0         0           Aluminum         ppm         ASTM D5185m         >10         0         0         0         0         0           Copper         ppm         ASTM D5185m         >10         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0							
Sample Status         method         limit/base         current         history 1         history 2           Iron         ppm         ASTM D5185m         >50         <1         0         <1           Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         1         0           Aluminum         ppm         ASTM D5185m         >10         0         0         0         0           Lead         ppm         ASTM D5185m         >10         0         0         0         0           Copper         ppm         ASTM D5185m         >10         0         0         0         0           Antimony         ppm         ASTM D5185m         >10         0         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0         0         0         0	•					Changed	Changed
Iron						Ü	Ü
Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         0           Titanium         ppm         ASTM D5185m         >2         0         <1         0           Silver         ppm         ASTM D5185m         >2         0         <1         0           Aluminum         ppm         ASTM D5185m         >2         0         <1         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0     <	WEAR METALS		method	limit/base	current	history 1	history 2
Nickel         ppm         ASTM D5185m         >3         0         0         0           Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         0           Aluminum         ppm         ASTM D5185m         >10         <1         1         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         >10         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0     <	Iron	ppm	ASTM D5185m	>50	<1	0	<1
Titanium         ppm         ASTM D5185m         >3         0         0         0           Silver         ppm         ASTM D5185m         >2         0         <1         0           Aluminum         ppm         ASTM D5185m         >10         <1         1         0           Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         >10         0         0         0           Antimony         ppm         ASTM D5185m         0         0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver         ppm         ASTM D5185m         >2         0         <1	Nickel	ppm	ASTM D5185m	>3	0	0	0
Aluminum   ppm   ASTM D5185m   >10   <1   1   0   Lead   ppm   ASTM D5185m   >10   0   0   0   Copper   ppm   ASTM D5185m   >50   11   21   8   Tin   ppm   ASTM D5185m   >10   0   0   0   Antimony   ppm   ASTM D5185m   >10   0   0   0   Antimony   ppm   ASTM D5185m   0   0   0   Vanadium   ppm   ASTM D5185m   0   0   0   Cadmium   ppm   ASTM D5185m   0   0   0   ADDITIVES   method   limit/base   current   history 1   history 2   Boron   ppm   ASTM D5185m   0   0   0   Barium   ppm   ASTM D5185m   0   0   0   Barium   ppm   ASTM D5185m   0   0   0   Molybdenum   ppm   ASTM D5185m   0   0   0   Manganese   ppm   ASTM D5185m   0   0   0   Manganese   ppm   ASTM D5185m   0   0   0   Magnesium   ppm   ASTM D5185m   2   0   0   0   Phosphorus   ppm   ASTM D5185m   1   8   0   Zinc   ppm   ASTM D5185m   1   8   0   Zinc   ppm   ASTM D5185m   1   77722   17074   25054    CONTAMINANTS   method   limit/base   current   history 1   history 2   Silicon   ppm   ASTM D5185m   9   0   0   0   Sodium   ppm   ASTM D5185m   9   0   10   Potassium   ppm   ASTM D6185m   9   0   10   Potassium   ppm   ASTM D6304   >0.05   0.020   0.005   0.017   Ppm Water   ppm   ASTM D6304   >500   200.4   57.4   170    FLUID CLEANLINESS   method   limit/base   current   history 1   history 2   Particles >4µm   ASTM D7647   >1300   9738   668   △ 1354	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead         ppm         ASTM D5185m         >10         0         0         0           Copper         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         >10         0         0         0           Antimony         ppm         ASTM D5185m          0         0         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         90         0         0         0           Barium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Calcium         ppm         ASTM D5185m         1         8         0         0	Silver	ppm	ASTM D5185m	>2	0	<1	0
Copper         ppm         ASTM D5185m         >50         11         21         8           Tin         ppm         ASTM D5185m         >10         0         0         0           Antimony         ppm         ASTM D5185m          0         0           Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           Boron         ppm         ASTM D5185m         0         0         0           Barium         ppm         ASTM D5185m         90         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         1         17722         17074         25054<	Aluminum	ppm	ASTM D5185m	>10	<1	1	0
Tin ppm ASTM D5185m >10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Lead	ppm	ASTM D5185m	>10	0	0	0
Antimony         ppm         ASTM D5185m          0         0           Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         <1	Copper	ppm	ASTM D5185m	>50	11	21	8
Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         <1	Tin	ppm	ASTM D5185m	>10	0	0	0
Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         <1         0           Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0         0           Zinc         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         9         0         10           Potassium	Antimony	ppm	ASTM D5185m			0	0
ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         <1         0           Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0         0           Zinc         ppm         ASTM D5185m         1         8         0         0           Zinc         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0	Vanadium	ppm	ASTM D5185m		0	0	0
Boron         ppm         ASTM D5185m         0         <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D5185m         >20         2         0         5           Water         % <th< th=""><th>ADDITIVES</th><th></th><th>method</th><th>limit/base</th><th>current</th><th>history 1</th><th>history 2</th></th<>	ADDITIVES		method	limit/base	current	history 1	history 2
Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D585m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm	Boron	ppm	ASTM D5185m		0	<1	0
Manganese         ppm         ASTM D5185m         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         >20         2         0         5           Water         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170 <td< th=""><th>Barium</th><th>ppm</th><th>ASTM D5185m</th><th>90</th><th>0</th><th>0</th><th>0</th></td<>	Barium	ppm	ASTM D5185m	90	0	0	0
Magnesium         ppm         ASTM D5185m         90         25         1         26           Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium         ppm         ASTM D5185m         2         0         0         0           Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         >1300         9738         668         135	Manganese	ppm	ASTM D5185m		0	0	0
Phosphorus         ppm         ASTM D5185m         1         8         0           Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Magnesium	ppm	ASTM D5185m	90	25	1	26
Zinc         ppm         ASTM D5185m         63         11         38           Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Calcium	ppm	ASTM D5185m	2	0	0	0
Sulfur         ppm         ASTM D5185m         17722         17074         25054           CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         >20         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Phosphorus	ppm	ASTM D5185m		1	8	0
CONTAMINANTS         method         limit/base         current         history 1         history 2           Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         >1300         9738         668         1354	Zinc	ppm	ASTM D5185m		63	11	38
Silicon         ppm         ASTM D5185m         >25         0         0         0           Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Sulfur	ppm	ASTM D5185m		17722	17074	25054
Sodium         ppm         ASTM D5185m         9         0         10           Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	CONTAMINANTS		method	limit/base	current	history 1	history 2
Potassium         ppm         ASTM D5185m         >20         2         0         5           Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Silicon	ppm	ASTM D5185m	>25	0	0	0
Water         %         ASTM D6304         >0.05         0.020         0.005         0.017           ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Sodium	ppm	ASTM D5185m		9	0	10
ppm Water         ppm         ASTM D6304         >500         200.4         57.4         170           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Potassium	ppm	ASTM D5185m	>20	2	0	5
FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         31716         3670         2868           Particles >6μm         ASTM D7647         >1300         9738         668         1354	Water	%	ASTM D6304	>0.05	0.020	0.005	0.017
Particles >4μm       ASTM D7647       31716       3670       2868         Particles >6μm       ASTM D7647       >1300       Φ 9738       668       ▲ 1354	ppm Water	ppm	ASTM D6304	>500	200.4	57.4	170
Particles >6μm         ASTM D7647         >1300         ▲ 9738         668         ▲ 1354	FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
	Particles >14μm		ASTM D7647	>80	<u>^</u> 546	27	<u> </u>
Particles >21μm         ASTM D7647         >20         ▲ 82         7         ▲ 29	•						
Particles >38µm ASTM D7647 >4 ▲ <b>5</b> 0 0							
Particles >71μm							
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 22/20/16 17/12 ▲ 18/14			ISO 4406 (c)	>/17/13	<u>22/20/16</u>	17/12	<u>18/14</u>
FILID DEGRADATION method limit/hase current history 1 history 2	FLUID DEGRADA	TION	method	limit/base	current	history 1	history 2
TEOID DEGITADATION INCLINE INTITION CONTENT THEORY						,	

0.29

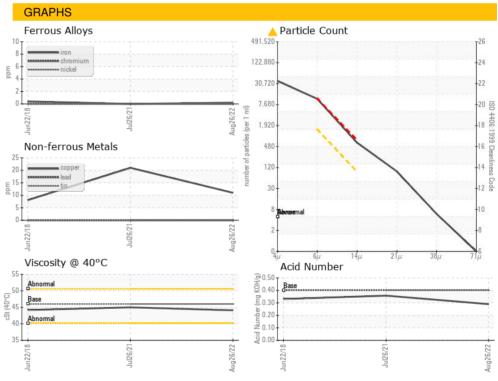
0.331



### **OIL ANALYSIS REPORT**



VISUAL		method	limit/base	current	history 1	history 2
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	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	44.1	45.0	44.2
SAMPLE IMAGES	3	method	limit/base	current	history 1	history 2
Color						
Bottom						







Certificate L2367

Unique Number : 10124571

Laboratory Sample No. Lab Number

: KCP50543 : 05635041

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Sep 2022 Diagnosed

: 08 Sep 2022

Diagnostician : Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

USA 63132

Contact: Service Manager

1540 PAGE INDUSTRIAL BLVD

**ARCH CITY GRANITE** 

ST LOUIS, MO

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: