

# **PROBLEM SUMMARY**

# Sample Rating Trend ISO

# KAESER 2434728

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

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

### **PROBLEMATIC TEST RESULTS** Sample Status ABNORMAL Particles >6µm ASTM D7647 >1300 3200 Particles >14µm ASTM D7647 >80 542 ASTM D7647 >20 Particles >21µm 219 Particles >38µm ASTM D7647 >4 **Oil Cleanliness** ISO 4406 (c) >--/17/13 🔺 21/19/16

Customer Id: BALTUR Sample No.: KCP50486 Lab Number: 05668870 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

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



# **OIL ANALYSIS REPORT**





## Machine Id KAESER 2434728 Component

# Compressor

Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

# DIAGNOSIS

# A 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

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

## **Fluid Condition**

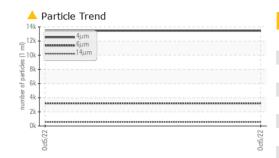
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

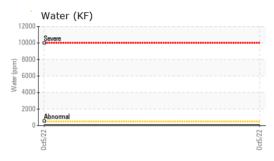
Sample Number   Client Info   KCP50486       Sample Date   Icient Info   95 Oct 202       Old Age   hrs   Client Info   4500       Old Age   hrs   Client Info   ABNORMAL       Sample Status   Imate Contrent   ABNORMAL       WEAR METALS   method   Imate Contrent   history      Nickel   ppm   ASTM 05156n   >50   0       Nickel   ppm   ASTM 05156n   >30   0       Silver   ppm   ASTM 05156n   >10   0       Itanium   ppm   ASTM 05156n   >10   0       Copper   ppm   ASTM 05156n   >10   0       ADDITIVES   method   Imit/base   current   History1      Manajanee   ppm   ASTM 05156n   0   0       Manajanee   ppm	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     42199         Oil Age     hrs     Client Info     4500         Sample Status     Client Info     ABNORMAL         WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0         Nickel     ppm     ASTM 05185m     >30     0         Silver     ppm     ASTM 05185m     >30     0         Copper     ppm     ASTM 05185m     >10     0         Adminum     ppm     ASTM 05185m     >10     0         Cadmium     ppm     ASTM 05185m     >10     0         ADDTIVES     method     Imit/base     current     history1     history2       Ramium     ppm     ASTM 05185m     0     0	Sample Number		Client Info		KCP50486		
Oil Age     hrs     Client Info     4500         Sample Status     Client Info     Changed         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0         Nickel     ppm     ASTM 05185m     >3     0         Aluminum     ppm     ASTM 05185m     >3     0         Aluminum     ppm     ASTM 05185m     >10     0         Auminum     ppm     ASTM 05185m     >10     0         Auminum     ppm     ASTM 05185m     >10     0         Auminum     ppm     ASTM 05185m     10     0         Agendum     ppm     ASTM 05185m     0     0         Adminum     ppm     ASTM 05185m     0     0     <	Sample Date		Client Info		05 Oct 2022		
Oli Changed     Client Info     Changed          WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0         Chromium     ppm     ASTM D5185n     >30     0         Nickel     ppm     ASTM D5185n     >33     0         Silver     ppm     ASTM D5185n     >30          Aluminum     ppm     ASTM D5185n     >10     0         Copper     ppm     ASTM D5185n     >10     0         Vanadium     ppm     ASTM D5185n     0     0         ADDITIVES     method     limit/base     current     history1     history2       Barum     ppm     ASTM D5185n     0     0         Molydenum     ppm     ASTM D5185n     0     0<	Machine Age	hrs	Client Info		42199		
Sample Status     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0         Nickel     ppm     ASTM D5185n     >33     0         Nickel     ppm     ASTM D5185n     >33     0         Silver     ppm     ASTM D5185n     >33     0         Aluminum     ppm     ASTM D5185n     >10     0         Aluminum     ppm     ASTM D5185n     >10     0         Copper     ppm     ASTM D5185n     >10     0         Cadmium     ppm     ASTM D5185n     0     0         ADDITIVES     method     Imit/base     current     history1     history2       Boron     ppm     ASTM D5185n     0     0         Magnaese     ppm     ASTM D5185n     0 <t< td=""><td>Oil Age</td><td>hrs</td><td>Client Info</td><td></td><th>4500</th><td></td><td></td></t<>	Oil Age	hrs	Client Info		4500		
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5165m     >50     0         Nickel     ppm     ASTM D5165m     >3     0         Nickel     ppm     ASTM D5165m     >3     0         Aluminum     ppm     ASTM D5165m     >2     0         Aluminum     ppm     ASTM D5165m     >10     0         Lead     ppm     ASTM D5165m     >10     0         Aduminum     ppm     ASTM D5165m     >10     0         Vanadium     ppm     ASTM D5165m     >0     0         ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5165m     0     0         Maganese     ppm     ASTM D5165m     0	Oil Changed		Client Info		Changed		
Iron     ppm     ASTM D5185m     >50     0         Nickel     ppm     ASTM D5185m     >3     0         Nickel     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >10     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         Adminum     ppm     ASTM D5185m     >10     0         Adminum     ppm     ASTM D5185m     >10     0         Adminum     ppm     ASTM D5185m     0     0         Adminum     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     0     0	Sample Status				ABNORMAL		
Chromium     ppm     ASTM D5185m     >10     0         Nickel     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >2     0         Aluminum     ppm     ASTM D5185m     >10     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     0     0         Vanadium     ppm     ASTM D5185m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Baron     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     <	WEAR METALS		method	limit/base	current	history1	history2
Nickel     pm     ASTM D5185m     >3     0         Titanium     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Sulfur     pm     ASTM D5185m     0     0<	Iron	ppm	ASTM D5185m	>50	0		
Titanium     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >2     0         Aluminum     ppm     ASTM D5185m     >10     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     2         Calcium     ppm     ASTM D5185m     0     2         Zinc     ppm     ASTM D5185m     0     0	Chromium	ppm	ASTM D5185m	>10	0		
Silver   ppm   ASTM D5185m   >2   0       Aluminum   ppm   ASTM D5185m   >10   0       Lead   ppm   ASTM D5185m   >10   0       Copper   ppm   ASTM D5185m   >50   3       Vanadium   ppm   ASTM D5185m   0   0       Cadmium   ppm   ASTM D5185m   0   0       ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0       Magnaese   ppm   ASTM D5185m   0   0       Magnaese   ppm   ASTM D5185m   0   0       Vandum   ppm   ASTM D5185m   0   0       Magnaese   ppm   ASTM D5185m   0   0       Sulfur   ppm   ASTM D5185m   0 <td< td=""><td>Nickel</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;3</td><th>0</th><td></td><td></td></td<>	Nickel	ppm	ASTM D5185m	>3	0		
Aluminum     ppm     ASTM D5185m     >10     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     3         Vanadium     ppm     ASTM D5185m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Molybdenum     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     225     <1 <td>Titanium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;3</td> <th>0</th> <td></td> <td></td>	Titanium	ppm	ASTM D5185m	>3	0		
Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     3         Tin     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Malganese     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519	Silver	ppm	ASTM D5185m	>2	0		
Copper     ppm     ASTM D5185m     >50     3         Tin     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0	Aluminum	ppm	ASTM D5185m	>10	0		
Tin   ppm   ASTM D5185m   >10   0       Vanadium   ppm   ASTM D5185m   0       ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0       Barium   ppm   ASTM D5185m   0   0       Molybdenum   ppm   ASTM D5185m   0   0       Manganese   ppm   ASTM D5185m   0   0       Manganesum   ppm   ASTM D5185m   0   0       Manganesum   ppm   ASTM D5185m   0   2       Manganesum   ppm   ASTM D5185m   0   2       Stillor   ppm   ASTM D5185m   0   2       Sulfur   ppm   ASTM D5185m   25   <1       Sodium   ppm   ASTM D5185m   20   0	Lead	ppm	ASTM D5185m	>10	0		
Tin   ppm   ASTM D5185m   >10   0       Vanadium   ppm   ASTM D5185m   0       ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   0   0       Barium   ppm   ASTM D5185m   0   0       Molybdenum   ppm   ASTM D5185m   0   0       Manganese   ppm   ASTM D5185m   0   0       Manganesum   ppm   ASTM D5185m   0   0       Manganesum   ppm   ASTM D5185m   0   2       Manganesum   ppm   ASTM D5185m   0   2       Manganesum   ppm   ASTM D5185m   0   2       Calcium   ppm   ASTM D5185m   2.50   <1       Sulfur   ppm   ASTM D5185m   2.50   0 </td <td>Copper</td> <td></td> <td>ASTM D5185m</td> <td>&gt;50</td> <th>3</th> <td></td> <td></td>	Copper		ASTM D5185m	>50	3		
Vanadium     ppm     ASTM D5185m     0         Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     2         Sulfur     ppm     ASTM D5185m     0     2         Sulfur     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         Sulfur     ppm     ASTM D5185m     225     <1			ASTM D5185m	>10	0		
Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     0     0         Molybdenum     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         Sulfur     ppm     ASTM D5185m     >20     0 <th< td=""><td>Vanadium</td><td></td><td>ASTM D5185m</td><td></td><th>0</th><td></td><td></td></th<>	Vanadium		ASTM D5185m		0		
Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     90     0         Molybdenum     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Zinc     ppm     ASTM D5185m     23500     21519         Sulfur     ppm     ASTM D5185m     225     <1	Cadmium	ppm	ASTM D5185m		0		
Barium     ppm     ASTM D5185m     90     0         Molybdenum     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     100     0         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Zinc     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         Solicon     ppm     ASTM D5185m     >25     <1         Solicon     ppm     ASTM D5185m     >20     0         Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D6304     >500	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     100     0         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     2         Calcium     ppm     ASTM D5185m     0     0         Zinc     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         Sodium     ppm     ASTM D5185m     >25     <1	Boron	ppm	ASTM D5185m	0	0		
Marganese     ppm     ASTM D5185m     100         Magnesium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0     0         Phosphorus     ppm     ASTM D5185m     0     2         Zinc     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         Solicon     ppm     ASTM D5185m     >25     <1	Barium	ppm	ASTM D5185m	90	0		
Magnesium   ppm   ASTM D5185m   100   0       Calcium   ppm   ASTM D5185m   0   0   2       Phosphorus   ppm   ASTM D5185m   0   0        Zinc   ppm   ASTM D5185m   0   0        Sulfur   ppm   ASTM D5185m   23500   21519       CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   <1       Sodium   ppm   ASTM D5185m   >25   <1       Sodium   ppm   ASTM D5185m   >20   0       Vater   %   ASTM D6304   >0.05   0.005       PutlD CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300   3200 <t< td=""><td>Molybdenum</td><td>ppm</td><td>ASTM D5185m</td><td>0</td><th>0</th><td></td><td></td></t<>	Molybdenum	ppm	ASTM D5185m	0	0		
Calcium     ppm     ASTM D5185m     0     2        Phosphorus     ppm     ASTM D5185m     0     0         Zinc     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1	Manganese	ppm	ASTM D5185m		0		
Phosphorus     ppm     ASTM D5185m     0     2         Zinc     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     23500     21519         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1	Magnesium	ppm	ASTM D5185m	100	0		
Zinc   ppm   ASTM D5185m   0   0       Sulfur   ppm   ASTM D5185m   23500   21519       CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   <1       Sodium   ppm   ASTM D5185m   >20   0       Potassium   ppm   ASTM D5185m   >20   0       Water   %   ASTM D6304   >0.05   0.005       Putlib CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   1300   3200       Particles >6µm   ASTM D7647   >1300   3200       Particles >6µm   ASTM D7647   >80   542       Particles >1µm   ASTM D7647   >20   219       Particles >38µm   ASTM D7647   >3   <	Calcium	ppm	ASTM D5185m	0	0		
Sulfur     ppm     ASTM D5185m     23500     21519         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1         Sodium     ppm     ASTM D5185m     >25     <1         Sodium     ppm     ASTM D5185m     >20     0         Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D5304     >0.05     0.005         ppm Water     ppm     ASTM D6304     >500     53.6         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300     3200         Particles >6µm     ASTM D7647     >80     542         Particles >21µm     ASTM D7647     20     219 <td>Phosphorus</td> <td>ppm</td> <td>ASTM D5185m</td> <td>0</td> <th>2</th> <td></td> <td></td>	Phosphorus	ppm	ASTM D5185m	0	2		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>25<1	Zinc	ppm	ASTM D5185m	0	0		
Silicon   ppm   ASTM D5185m   >25   <1	Sulfur	ppm	ASTM D5185m	23500	21519		
Sodium     ppm     ASTM D5185m     0         Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D6304     >0.05     0.005         ppm Water     ppm     ASTM D6304     >500     53.6         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     13449         Particles >6µm     ASTM D7647     >1300     3200         Particles >6µm     ASTM D7647     >80     542         Particles >14µm     ASTM D7647     >20     219         Particles >38µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     21/19/16         FLUID DEGRADATION     method     limit/base     current     history1     history2	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium   ppm   ASTM D5185m   >20   0       Water   %   ASTM D6304   >0.05   0.005       ppm Water   ppm   ASTM D6304   >500   53.6       FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   13449       Particles >6µm   ASTM D7647   >1300   3200       Particles >6µm   ASTM D7647   >20   219       Particles >14µm   ASTM D7647   >20   219       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	Silicon	ppm	ASTM D5185m	>25	<1		
Water   %   ASTM D6304   >0.05   0.005       ppm Water   ppm   ASTM D6304   >500   53.6       FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   13449       Particles >6µm   ASTM D7647   >1300   3200       Particles >6µm   ASTM D7647   >80   542       Particles >14µm   ASTM D7647   >20   219       Particles >21µm   ASTM D7647   >4   8       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	Sodium	ppm	ASTM D5185m		0		
ppm Water     ppm     ASTM D6304     >500     53.6         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     13449         Particles >6µm     ASTM D7647     >1300     3200         Particles >6µm     ASTM D7647     >80     542         Particles >14µm     ASTM D7647     >20     219         Particles >21µm     ASTM D7647     >4     8         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)    /17/13     21/19/16         FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	0		
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   13449       Particles >6µm   ASTM D7647   >1300   3200       Particles >6µm   ASTM D7647   >80   542       Particles >14µm   ASTM D7647   >20   219       Particles >21µm   ASTM D7647   >4   8       Particles >38µm   ASTM D7647   >4   8       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	Water	%	ASTM D6304	>0.05	0.005		
Particles >4μm   ASTM D7647   13449       Particles >6μm   ASTM D7647   >1300   3200       Particles >14μm   ASTM D7647   >80   542       Particles >21μm   ASTM D7647   >20   219       Particles >21μm   ASTM D7647   >4   8       Particles >38μm   ASTM D7647   >4   8       Particles >71μm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>500	53.6		
Particles >6µm   ASTM D7647   >1300   ▲ 3200       Particles >14µm   ASTM D7647   >80   ▲ 542       Particles >21µm   ASTM D7647   >20   ▲ 219       Particles >38µm   ASTM D7647   >4   ▲ 8       Particles >38µm   ASTM D7647   >4   ▲ 8       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >80   ▲ 542       Particles >21µm   ASTM D7647   >20   ▲ 219       Particles >38µm   ASTM D7647   >4   ▲ 8       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 21/19/16       FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm						
Particles >21µm     ASTM D7647     >20     ▲ 219         Particles >38µm     ASTM D7647     >4     ▲ 8         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 21/19/16         FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D7647	>1300	<b>A</b> 3200		
Particles >38μm     ASTM D7647     >4     ▲ 8         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 21/19/16         FLUID DEGRADATION     method     limit/base     current     history1     history2				>80			
Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 21/19/16         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647	>20	<u> </u>		
Oil Cleanliness     ISO 4406 (c)     >/17/13 <b>21/19/16</b> FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D7647	>4	<u> </u>		
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 21/19/16		
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.46	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.46		

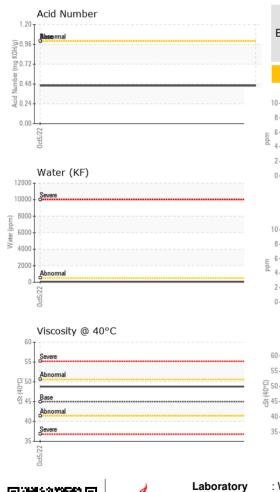


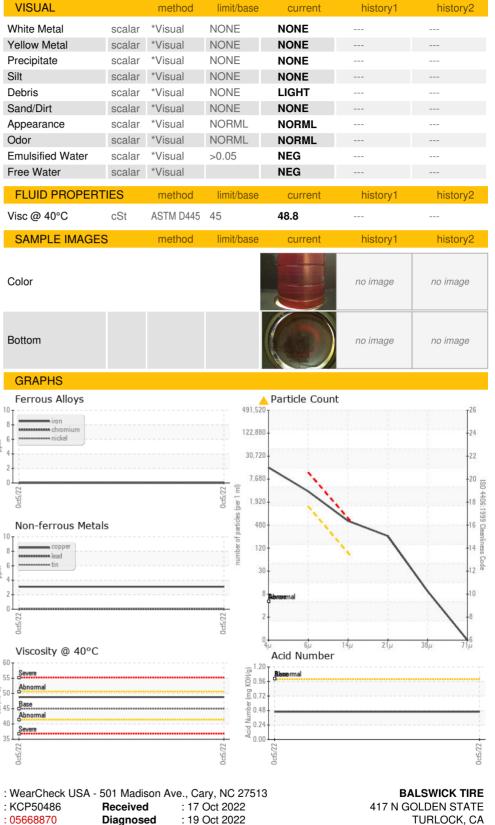
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Diagnostician : Jonathan Hester

: 10178440

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Sample No.

Lab Number

Unique Number