

### **OIL ANALYSIS REPORT**

# Sample Rating Trend ISO

7352685 (S/N 1114) Component

Compressor

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

#### DIAGNOSIS

#### Recommendation

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

#### Wear

All component wear rates are normal.

#### Contamination

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 Date     Client Info     28 Dec 2022     13 Jan 2022     01 Mar 2021       Machine Age     hrs     Client Info     11791     6379     5369       Oil Age     hrs     Client Info     5400     4360     2899       Oil Changed     Client Info     Changed     Changed     ABNORMAL     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     3     8     <1       Otromium     ppm     ASTM 05185m     >3     0     0     0       Nickel     ppm     ASTM 05185m     >3     0     0     0       Aluminum     ppm     ASTM 05185m     >10     0     0     0       Autimum     ppm     ASTM 05185m     >10     0     0     0       Autimum     ppm     ASTM 05185m     0     0     0     0       Autimum     ppm     ASTM 05185m     0     0     0     0	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     11791     6379     5369       Oil Age     hrs     Client Info     5400     4360     2899       Oil Changed     Client Info     Changed     Changed     Changed     ABNORMAL     ABNO	Sample Number		Client Info		KC103587	KC73030	KC93011
Oil Age     hrs     Client Info     5400     4360     2899       Oil Changed     Client Info     Changed     Chanting     Chanting     Ch	Sample Date		Client Info		28 Dec 2022	13 Jan 2022	01 Mar 2021
Oil Changed Sample Status Client Info Changed ABNORMAL Changed ABNORMAL Changed ABNORMAL Changed ABNORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185n >50 3 8 <1   Ohromium ppm ASTM D5185n >3 0 0 0   Nickel ppm ASTM D5185n >3 0 0 0   Silver ppm ASTM D5185n >10 3 <11 <11   Aluminum ppm ASTM D5185n >10 0 0 0   Copper ppm ASTM D5185n >10 0 0 0   Antimony ppm ASTM D5185n >10 0 0 0   Vanadium ppm ASTM D5185n >10 0 0 0   Adaminum ppm ASTM D5185n 0 0 0 0   Adaminum ppm ASTM D5185n 0 0 0 0   Adaminum ppm ASTM D5185n 0 0 0 0   Mandanese ppm ASTM D5185n 0 1 0   Managanese	Machine Age	hrs	Client Info		11791	6379	5369
Sample Status     method     Imit/base     current     history1     ABNORMAL       WEAR METALS     method     limit/base     current     history2       Iron     ppm     ASTM D5185n     >50     3     8     <1       Chromium     ppm     ASTM D5185n     >30     0     0     0       Nickel     ppm     ASTM D5185n     >33     0     0     0       Silver     ppm     ASTM D5185n     >30     0     0     0       Aluminum     ppm     ASTM D5185n     >10     3     <1     1       Lead     ppm     ASTM D5185n     >10     0     0     0       Copper     ppm     ASTM D5185n     >10     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     2     0       Antimony     ppm     ASTM D5185n     0     0     2     0	Oil Age	hrs	Client Info		5400	4360	2899
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     3     8     <1       Chromium     ppm     ASTM D5185m     >3     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >10     3     <1     <1       Lead     ppm     ASTM D5185m     >10     0     0     <75       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     0     0     0     <1       Vanadium     ppm     ASTM D5185m     0     0     0     0       Adtimony     ppm     ASTM D5185m     0     0     0     0       Adtimony     ppm     ASTM D5185m     0     0     0	Oil Changed		Client Info		Changed	Changed	Changed
Iron     ppm     ASTM D5185m     >50     3     8     <1	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Dromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >10     3     <1     <1       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     >10     0     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0     0       Astm D5185m     0     0     0     0     0     0     0       Astm D5185m     0     0     <1     0     0     0     0       Astm D5185m     0     <1     0     0     0     0     0       Astm D5185m     0     <1     0	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >3     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >10     3     <1     <1       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     17     24     ▲ 75       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     imit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     <1     0       Magnesium     ppm     ASTM D5185m     0     255     1443     235	Iron	ppm	ASTM D5185m	>50	3	8	<1
Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >10     3     <1     <1       Lead     ppm     ASTM D5185m     >10     0     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     <1     75       Tin     ppm     ASTM D5185m     >10     0     0     <1     0       Vanadium     ppm     ASTM D5185m     0     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     <1     0	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver     ppm     ASTM D5185m     >2     0     0     <1	Nickel	ppm	ASTM D5185m	>3	0	0	0
Aluminum     ppm     ASTM D5185m     >10     3     <1	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     17     24     ▲ 75       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m      <1     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2     0       Molybdenum     ppm     ASTM D5185m     0     <1     0     0       Magnese     ppm     ASTM D5185m     0     2     0     0     1     0       Colacium     ppm     ASTM D5185m     0     2     0     1     1     1     1     1     1     1     1     1<	Silver	ppm	ASTM D5185m	>2	0	0	<1
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     17     24     ▲ 75       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2     2       Barium     ppm     ASTM D5185m     0     <1     0     0       Molybdenum     ppm     ASTM D5185m     0     <1     0     0       Magnesium     ppm     ASTM D5185m     0     <2     0     1     0       Calcium     ppm     ASTM D5185m     0     18     <1     0     235     199     2     1     0     1     1     <	Aluminum	ppm	ASTM D5185m	>10	3	<1	<1
Copper     ppm     ASTM D5185m     >50     17     24     ▲ 75       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2     0       Molybdenum     ppm     ASTM D5185m     0     0     4     0       Magnesium     ppm     ASTM D5185m     0     4     0     0       Colacium     ppm     ASTM D5185m     0     2     0     0       Silicon     ppm     ASTM D5185m     0     18     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8 <td< th=""><th>Lead</th><td></td><td></td><td></td><th>0</th><td>0</td><td>0</td></td<>	Lead				0	0	0
Tin   ppm   ASTM D5185m   >10   0   0   <1	Copper		ASTM D5185m	>50		24	▲ 75
Antimony     ppm     ASTM D5185m      <1	Tin						
Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2     2       Barium     ppm     ASTM D5185m     0     0     2     0       Molybdenum     ppm     ASTM D5185m     0     0     2     0       Magnesium     ppm     ASTM D5185m     0     4     0     2     0       Calcium     ppm     ASTM D5185m     0     4     0     2     0       Phosphorus     ppm     ASTM D5185m     0     196     325     199     2       Zinc     ppm     ASTM D5185m     20     188     3     2       Silicon     ppm     ASTM D5185m     22     2     <1					-		
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2       Barium     ppm     ASTM D5185m     0     0     2       Molybdenum     ppm     ASTM D5185m     0     0     2       Magnesium     ppm     ASTM D5185m     0     0     2       Ocalcium     ppm     ASTM D5185m     0     4     0       Calcium     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     20     1     8     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Sodium     ppm     ASTM D6185m     <					0		
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     2       Barium     ppm     ASTM D5185m     0     0     2       Molybdenum     ppm     ASTM D5185m     0     0     0       Magnese     ppm     ASTM D5185m     0     <1     0       Magnesium     ppm     ASTM D5185m     0     <1     0       Calcium     ppm     ASTM D5185m     0     2     0       Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     20     1     8     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Potassium     ppm     ASTM D6304							
Boron     ppm     ASTM D5185m     0     0     2       Barium     ppm     ASTM D5185m     0     <1     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     0     41     0       Magnesium     ppm     ASTM D5185m     0     4     0       Calcium     ppm     ASTM D5185m     0     2     0       Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     20     1     8     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Vater     %     ASTM D5185m     >20     1     8     0       Particles >4µm     ASTM D7647     82710		1º P		limit/base	current	history1	
Barium     ppm     ASTM D5185m     0     <1	Boron	ppm			0		
Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     0     <1     0       Magnesium     ppm     ASTM D5185m     0     4     0       Calcium     ppm     ASTM D5185m     0     2     0       Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Silicon     ppm     ASTM D5185m     >25     2     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Stilicon     ppm     ASTM D5185m     >20     1     8     0       Sodium     ppm     ASTM D6304     >0.05     0.022     0.764     0.003       ppm Water     ppm     ASTM D7647     82710      2176       Particles >4µm </th <th>Barium</th> <td></td> <td></td> <td></td> <th></th> <td>&lt;1</td> <td></td>	Barium					<1	
Manganese   ppm   ASTM D5185m   0   <1					-		
Magnesium     ppm     ASTM D5185m     0     4     0       Calcium     ppm     ASTM D5185m     0     2     0       Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     443     235       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     2     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Vater     %     ASTM D504     >0.05     0.022     0.764     0.003       ppm     ASTM D7647     \$200     23.0     7640     31.1       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     \$300     29985 <t< th=""><th>-</th><td></td><td></td><td></td><th>-</th><td></td><td></td></t<>	-				-		
Calcium     ppm     ASTM D5185m     0     2     0       Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     255     443     235       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     2     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Vater     %     ASTM D5185m     >20     1     8     0       Water     %     ASTM D5044     >0.05     0.022     0.764     0.003       ppm Water     ppm     ASTM D7647     82710      2176       Particles >4µm     ASTM D7647     >1300     29985      880       Particles >14µm     ASTM D7647     >80     1249      18	•				-		0
Phosphorus     ppm     ASTM D5185m     500     196     325     199       Zinc     ppm     ASTM D5185m     255     443     235       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     2     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Vater     %     ASTM D6304     >0.05     0.022     △     0.764     0.003       ppm Water     ppm     ASTM D6304     >500     223.0     ▲     7640     31.1       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     \$1300     ▲     29985      2176       Particles >14µm     ASTM D7647     >80     ▲     1249      79       Particles >21µm     ASTM D7647     >80     ▲     1249      18       Particles >38µm	U				0	2	0
Zinc     ppm     ASTM D5185m     255     443     235       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     2     <1     0       Sodium     ppm     ASTM D5185m     >20     1     8     0       Potassium     ppm     ASTM D6185m     >20     1     8     0       Water     %     ASTM D6304     >0.05     0.022     0.764     0.003       ppm Water     ppm     ASTM D6304     >500     223.0     7640     31.1       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     \$1300     29985      2176       Particles >6µm     ASTM D7647     >80     1249      79       Particles >1µm     ASTM D7647     >20     425      18       Particles >38µm     ASTM D7647     >3     2      0				500	196	325	199
Silicon   ppm   ASTM D5185m   >25   2   <1	Zinc						
Sodium     ppm     ASTM D5185m     0     18     <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     1     8     0       Water     %     ASTM D6304     >0.05     0.022     0.764     0.003       ppm     Water     ppm     ASTM D6304     >500     223.0     7640     31.1       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     82710      2176       Particles >6µm     ASTM D7647     >1300     29985      880       Particles >14µm     ASTM D7647     >80     1249      79       Particles >21µm     ASTM D7647     >20     425      18       Particles >38µm     ASTM D7647     >3     2      0       Particles >71µm     ASTM D7647     >3     2      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Silicon	ppm	ASTM D5185m	>25	2	<1	0
Water   %   ASTM D6304   >0.05   0.022   0.764   0.003     ppm   Water   ppm   ASTM D6304   >500   223.0   7640   31.1     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   82710    2176     Particles >6µm   ASTM D7647   82710    880     Particles >6µm   ASTM D7647   >1300   29985    880     Particles >14µm   ASTM D7647   >20   425    18     Particles >21µm   ASTM D7647   >20   425    18     Particles >38µm   ASTM D7647   >3   2    0     Particles >71µm   ASTM D7647   3   2    0     Oil Cleanliness   ISO 4406 (c)  /17/13   24/22/17    17/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	Sodium	ppm	ASTM D5185m		0	18	<1
ppm Water     ppm     ASTM D6304     >500     223.0     ▲ 7640     31.1       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     82710      2176       Particles >6µm     ASTM D7647     >1300     29985      880       Particles >14µm     ASTM D7647     >80     1249      79       Particles >21µm     ASTM D7647     >20     425      18       Particles >38µm     ASTM D7647     >3     2      0       Particles >71µm     ASTM D7647     >3     2      0       Oil Cleanliness     ISO 4406 (c)    /17/13     24/22/17      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	1	8	0
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   82710    2176     Particles >6µm   ASTM D7647   >1300   29985    880     Particles >14µm   ASTM D7647   >80   1249    79     Particles >21µm   ASTM D7647   >20   425    18     Particles >38µm   ASTM D7647   >4   61    0     Particles >71µm   ASTM D7647   >3   2    17/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	Water	%	ASTM D6304	>0.05	0.022	▲ 0.764	0.003
Particles >4μm   ASTM D7647   82710    2176     Particles >6μm   ASTM D7647   >1300   29985    880     Particles >14μm   ASTM D7647   >80   1249    79     Particles >21μm   ASTM D7647   >20   425    18     Particles >38μm   ASTM D7647   >4   61    0     Particles >71μm   ASTM D7647   >3   2    0     Oil Cleanliness   ISO 4406 (c)   >/17/13   24/22/17    17/13	ppm Water	ppm	ASTM D6304	>500	223.0	▲ 7640	31.1
Particles >6µm   ASTM D7647   >1300   ▲ 29985    880     Particles >14µm   ASTM D7647   >80   ▲ 1249    79     Particles >21µm   ASTM D7647   >20   ▲ 425    18     Particles >38µm   ASTM D7647   >4   ▲ 61    0     Particles >38µm   ASTM D7647   >3   2    0     Particles >71µm   ASTM D7647   >3   2    0     Oil Cleanliness   ISO 4406 (c)   >/17/13   24/22/17    17/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >80   ▲ 1249    79     Particles >21µm   ASTM D7647   >20   ▲ 425    18     Particles >38µm   ASTM D7647   >4   ▲ 61    0     Particles >71µm   ASTM D7647   >3   2    0     Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 24/22/17    17/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm						2176
Particles >21μm     ASTM D7647     >20     ▲ 425      18       Particles >38μm     ASTM D7647     >4     ▲ 61      0       Particles >71μm     ASTM D7647     >3     2      0       Oil Cleanliness     ISO 4406 (c)     >/17/13     24/22/17      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300	<u> </u>		880
Particles >38μm     ASTM D7647     >4     ▲ 61      0       Particles >71μm     ASTM D7647     >3     2      0       Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 24/22/17      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm				-		79
Particles >71μm     ASTM D7647     >3     2      0       Oil Cleanliness     ISO 4406 (c)     >/17/13     24/22/17      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm			>20	<u> </u>		18
Oil Cleanliness     ISO 4406 (c)     >/17/13     24/22/17      17/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >38µm		ASTM D7647	>4			0
FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647		2		0
	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 24/22/17		17/13
Acid Number (AN)     mg KOH/g     ASTM D8045     1.5     0.55     0.467     0.565	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.55	0.467	0.565

Contact/Location: Service Manager - PIECLE



Built for a lifetime

Particle

100k

40

201

0k

12000

800 (maa)

6000 Water 4000

200

1 60. Base 1.40

Seve 10000

Î 80

> Cles 60

m

## **OIL ANALYSIS REPORT**

limit/base

current

NONE

NONE

NONE

NONE

NONE

NONE

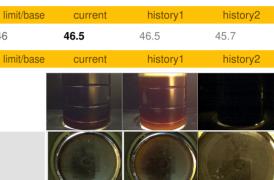
NORML

NORML

NEG

NEG

Particle Trend	VISUAL		method	limit/bas
4μm 6μm	White Metal	scalar	*Visual	NONE
·····································	Yellow Metal	scalar	*Visual	NONE
an and a	Precipitate	scalar	*Visual	NONE
*****	Silt	scalar	*Visual	NONE
AND ROOM AND	Debris	scalar	*Visual	NONE
A STATE AND A STAT	Sand/Dirt	scalar	*Visual	NONE
Aug26/20 Mar1/21 Jan13/22 Dec28/22	Appearance	scalar	*Visual	NORML
Aug2 Jan i Dec2	Odor	scalar	*Visual	NORML
Water (KF)	Emulsified Water	scalar	*Visual	>0.05
	Free Water	scalar	*Visual	
Severe	FLUID PROPERTIES		method	limit/bas
$\wedge$	Visc @ 40°C	cSt	ASTM D445	46
	SAMPLE IMAGES		method	limit/bas
Aug 26/20	Color			
Acid Number	Bottom			



history1

NONE

NONE

NONE

NONE

MODER

NONE

HAZY

0.2%

NEG

NORML

history2

NONE

NONE

NONE

NONE

NONE

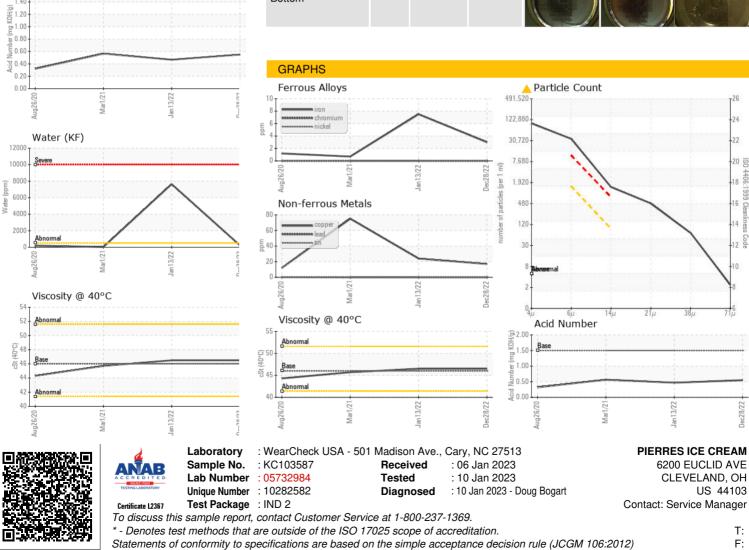
NONE

NORML

NORML

NEG

NEG



Contact/Location: Service Manager - PIECLE