

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

NORMAL

# KAESER BSD 50T 7798714 (S/N 1144)

## NOT GIVEN (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The water content is negligible. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

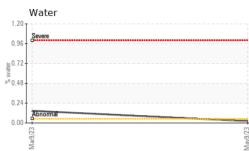
#### **Fluid Condition**

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

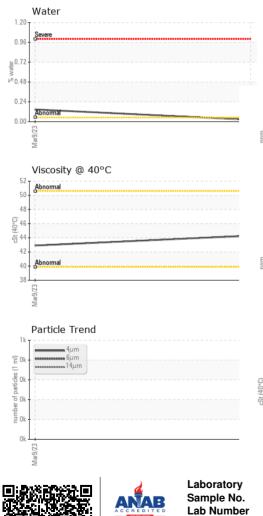
Sample Number     Client Info     KCP53641     KC106421        Sample Date     Iclient Info     09 May 2023      09 May 2023        Machine Age     hrs     Client Info     10405     6586      00 Mar 2023        Oil Age     hrs     Client Info     1465     6586      00 IChanged      Info     1465     6586      00 IChanged     Info     Changed     Not Changed      Info     SEVERE      Info     NorMAL     SEVERE      Info     Info     NorMAL     SEVERE      Info     Info				Mar2023	May2023		
Sample Date     Client Info     09 May 2023     09 May 2023        Machine Age     hrs     Client Info     10405     6586        Oil Age     hrs     Client Info     1465     6586        Sample Status     Client Info     Changed     Not Changd        WEAR METALS     method     Imit/base     current     history1     history1       Nickel     ppm     ASTM 05185m     >50     0     <1        Nickel     ppm     ASTM 05185m     >3     0     0        Bard     ppm     ASTM 05185m     >3     0     0        Aluminum     ppm     ASTM 05185m     >10     0     0        Vanadium     ppm     ASTM 05185m     >10     0         Addminum     ppm     ASTM 05185m     0     0         Vanadium     ppm     ASTM 05185m     0     0	SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     10405     6586	Sample Number		Client Info		KCP53641	KC106421	
Machine Age     hrs     Client Info     10405     6586	Sample Date		Client Info		09 May 2023	09 Mar 2023	
Oil Age     hrs     Client Info     1465     6586        Sample Status     Client Info     Changed     Not Changed        WEAR METALS     method     Imil/base     current     history1        Tron     ppm     ASTM 05185m     >50     0     <1		hrs	Client Info		10405	6586	
Oil Changed     Client Info     Changed NORMAL     Not Changed SEVERE        WEAR METALS     method     limit/base     current     history1     history2       from     ppm     ASTM D5185m     >50     0     <11	0	hrs	Client Info		1465	6586	
Sample Status     Image: Status     NORMAL     SEVERE        WEAR METALS     method     limit/base     current     history1     history1       tron     ppm     ASTM D5185m     >50     0     <1	-		Client Info		Changed	Not Chanod	
ron     ppm     ASTM D5185m     >50     0     <1        Chromium     ppm     ASTM D5185m     >3     0     0        Nickel     ppm     ASTM D5185m     >3     0     0        Silver     ppm     ASTM D5185m     >2     0     0        Aduminum     ppm     ASTM D5185m     >10     0     <1	0				•	U	
Prom     ASTM D5185m     >10     0     0        Nickel     ppm     ASTM D5185m     >3     0     0        Silver     ppm     ASTM D5185m     >2     0     0        Auminum     ppm     ASTM D5185m     >10     0     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >3     0        Titanium     ppm     ASTM D5185m     >3     0     0        Silver     ppm     ASTM D5185m     >2     0     0        Aluminum     ppm     ASTM D5185m     >10     0     <1	Iron	ppm	ASTM D5185m	>50	0	<1	
Titanium     ppm     ASTM D5185m     >3     0     0        Silver     ppm     ASTM D5185m     >2     0     0        Aluminum     ppm     ASTM D5185m     >10     0     0        Aluminum     ppm     ASTM D5185m     >10     0     0        Copper     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     >10     0     0        Additium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     0     0         Magnaese     ppm     ASTM D5185m     0     <-1	Chromium	ppm	ASTM D5185m	>10	0	0	
Silver     ppm     ASTM D5185m     >2     0     0        Aluminum     ppm     ASTM D5185m     >10     0     <1	Nickel	ppm	ASTM D5185m	>3	0	0	
Aluminum     ppm     ASTM D5185m     >10     0     <1        Lead     ppm     ASTM D5185m     >10     0     0        Copper     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     0     0        Maganese     ppm     ASTM D5185m     0         Maganese     ppm     ASTM D5185m     0         Magnesium     ppm     ASTM D5185m     0     8	Titanium	ppm	ASTM D5185m	>3	0	0	
Aluminum     ppm     ASTM D5185m     >10     0     <1        Lead     ppm     ASTM D5185m     >10     0     0        Copper     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     10     0     0        Cadmium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     Imit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     8         Sulfur     ppm     ASTM D5185m     25     2.7         Sulfur     ppm     ASTM D5185m     >20 <t< td=""><td>Silver</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;2</td><th>0</th><td>0</td><td></td></t<>	Silver	ppm	ASTM D5185m	>2	0	0	
Lead     ppm     ASTM D5185m     >10     0     0        Copper     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     >10     0     0        Vanadium     ppm     ASTM D5185m     0     0     0        Cadmium     ppm     ASTM D5185m     0     0     0        Boron     ppm     ASTM D5185m     0     0        Maganese     ppm     ASTM D5185m     0     0	Aluminum	ppm	ASTM D5185m	>10	0	<1	
Copper     ppm     ASTM D5185m     >50     5     10        Vanadium     ppm     ASTM D5185m     >10     0     0        Cadmium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     0     0        Barium     ppm     ASTM D5185m     0     0        Molybdenum     ppm     ASTM D5185m     0     0        Magnesium     ppm     ASTM D5185m     0     0        Magnesium     ppm     ASTM D5185m     0     8	Lead		ASTM D5185m	>10	0	0	
Tin     ppm     ASTM D5185m     >10     0     0        Vanadium     ppm     ASTM D5185m     0     0     0        Cadmium     ppm     ASTM D5185m     0     0     0        ADDITIVES     method     limit/base     current     history1     history1       Boron     ppm     ASTM D5185m     0     0        Maganese     ppm     ASTM D5185m     0     0        Magnese     ppm     ASTM D5185m     0     0        Magnesium     ppm     ASTM D5185m     0     0        Magnesium     ppm     ASTM D5185m     0     8        Sulfur     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        Sulfur     ppm     ASTM D5185m     >20     2     <1					-		
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         Barium     ppm     ASTM D5185m     0     0         Magaese     ppm     ASTM D5185m     0          Magnesium     ppm     ASTM D5185m     0         Calcium     ppm     ASTM D5185m     0         Magnesium     ppm     ASTM D5185m     0     8        Calcium     ppm     ASTM D5185m     21302     18880					-		
Cadmium     ppm     ASTM D5185m     0     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     8				210	-		
Boron     ppm     ASTM D5185m     0     0        Barium     ppm     ASTM D5185m     2     <1					-		
Barium     ppm     ASTM D5185m     2     <1        Molybdenum     ppm     ASTM D5185m     0     0        Manganese     ppm     ASTM D5185m     0     <1	ADDITIVES		method	limit/base	current	history1	history2
Barium     ppm     ASTM D5185m     2     <1        Molybdenum     ppm     ASTM D5185m     0     0        Maganese     ppm     ASTM D5185m     0     <1	Boron	ppm	ASTM D5185m		0	0	
Molybdenum     ppm     ASTM D5185m     0     0        Manganese     ppm     ASTM D5185m     13     18        Magnesium     ppm     ASTM D5185m     13     18        Calcium     ppm     ASTM D5185m     0     0     0        Calcium     ppm     ASTM D5185m     0     8         Calcium     ppm     ASTM D5185m     0     8         Sulfur     ppm     ASTM D5185m     25     27         Sulfur     ppm     ASTM D5185m     21302     18880        Sodium     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1	Barium	ppm	ASTM D5185m		2	<1	
Manganese     ppm     ASTM D5185m     0     <1        Magnesium     ppm     ASTM D5185m     13     18        Calcium     ppm     ASTM D5185m     0     0        Phosphorus     ppm     ASTM D5185m     0     8        Zinc     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1	Molvbdenum		ASTM D5185m		0	0	
Magnesium     ppm     ASTM D5185m     13     18        Calcium     ppm     ASTM D5185m     0     0        Phosphorus     ppm     ASTM D5185m     0     8        Zinc     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1	-		ASTM D5185m		0	<1	
Calcium     ppm     ASTM D5185m     0     0        Phosphorus     ppm     ASTM D5185m     0     8        Zinc     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1	-				13	18	
Phosphorus     ppm     ASTM D5185m     0     8        Zinc     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1	0		ASTM D5185m		-	0	
Zinc     ppm     ASTM D5185m     25     27        Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1					-		
Sulfur     ppm     ASTM D5185m     21302     18880        CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6        Sodium     ppm     ASTM D5185m     >20     2     <1     6        Potassium     ppm     ASTM D5185m     >20     2     <1     6        Water     %     ASTM D5185m     >20     2     <1        Water     %     ASTM D5185m     >20     2     <1        Water     %     ASTM D6304     >0.05     0.022     <1.148        Particles >4µm     ASTM D7647     4755         Particles >4µm     ASTM D7647     >1300     140         Particles >1µm     ASTM D7647     >80     29         Particles >21µm     ASTM D7647     20     14	•				-		
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     6      5       Sodium     ppm     ASTM D5185m     >20     2     <1	-				-		
Sodium     ppm     ASTM D5185m     <1     6        Potassium     ppm     ASTM D5185m     >20     2     <1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium   ppm   ASTM D5185m   >20   2   <1      Water   %   ASTM D6304   >0.05   0.022   ▲   0.148      ppm   ASTM D6304   >500   223.7   ▲   1480      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   475       Particles >6µm   ASTM D7647   >1300   140       Particles >6µm   ASTM D7647   >80   29       Particles >14µm   ASTM D7647   >20   14       Particles >21µm   ASTM D7647   >20   14       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   16/14/12       FLUID DEGRADATION   method   limit/base   current   history1   histor	Silicon	ppm	ASTM D5185m	>25	0	6	
Water   %   ASTM D6304   >0.05   0.022   ▲   0.148      ppm Water   ppm   ASTM D6304   >500   223.7   ▲   1480      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   475       Particles >6µm   ASTM D7647   >1300   140       Particles >6µm   ASTM D7647   >80   29       Particles >14µm   ASTM D7647   >20   14       Particles >21µm   ASTM D7647   >20   14       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   16/14/12       FLUID DEGRADATION   method   limit/base   current   history1   history2	Sodium	ppm	ASTM D5185m		<1	6	
Water   %   ASTM D6304   >0.05   0.022   ▲   0.148      ppm Water   ppm   ASTM D6304   >500   223.7   ▲   1480      FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   475       Particles >6µm   ASTM D7647   >1300   140       Particles >6µm   ASTM D7647   >80   29       Particles >14µm   ASTM D7647   >20   14       Particles >21µm   ASTM D7647   >20   14       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   16/14/12       FLUID DEGRADATION   method   limit/base   current   history1   history2	Potassium		ASTM D5185m	>20	2	<1	
ppm Water     ppm     ASTM D6304     >500     223.7     ▲ 1480        FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     475         Particles >6µm     ASTM D7647     >1300     140         Particles >6µm     ASTM D7647     >80     29         Particles >14µm     ASTM D7647     >20     14         Particles >21µm     ASTM D7647     >20     14         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)    /17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	Water		ASTM D6304	>0.05	0.022	0.148	
Particles >4μm   ASTM D7647   475       Particles >6μm   ASTM D7647   >1300   140       Particles >14μm   ASTM D7647   >80   29       Particles >14μm   ASTM D7647   >20   14       Particles >21μm   ASTM D7647   >20   14       Particles >21μm   ASTM D7647   >20   14       Particles >38μm   ASTM D7647   >4   1       Particles >71μm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   16/14/12       FLUID DEGRADATION   method   limit/base   current   history1   history2			ASTM D6304		223.7	▲ 1480	
Particles >6μm     ASTM D7647     >1300     140         Particles >14μm     ASTM D7647     >80     29         Particles >14μm     ASTM D7647     >20     14         Particles >21μm     ASTM D7647     >20     14         Particles >38μm     ASTM D7647     >4     1         Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm     ASTM D7647     >80     29         Particles >21μm     ASTM D7647     >20     14         Particles >21μm     ASTM D7647     >20     14         Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >4µm		ASTM D7647		475		
Particles >21μm     ASTM D7647     >20     14         Particles >38μm     ASTM D7647     >4     1         Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300	140		
Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm		ASTM D7647	>80	29		
Particles >38μm     ASTM D7647     >4     1         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647	>20	14		
Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     16/14/12         FLUID DEGRADATION     method     limit/base     current     history1     history2							
Oil Cleanliness   ISO 4406 (c)   >/17/13   16/14/12       FLUID DEGRADATION   method   limit/base   current   history1   history2				>3	0		
					16/14/12		
Acid Number (AN) mg KOH/g ASTM D8045 0.37 0.38	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.37	0.38	



## **OIL ANALYSIS REPORT**







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	🔺 MODER	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	🔺 HAZY	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.05	NEG	0.2%	
Free Water	scalar	*Visual		NEG	• 10.0	
FLUID PROPERT	IES	method	limit/base	current	history1	history2
∕isc @ 40°C	cSt	ASTM D445		44.3	42.9	
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
				- And		
Color						no image
			1			
Bottom						no image
GRAPHS				Deutiele Cours		
GRAPHS Ferrous Alloys			491,520-	Particle Coun	t	т26
Ferrous Alloys				Particle Coun	t	
Ferrous Alloys			491,520 -	Particle Coun	t	-24
Ferrous Alloys				Particle Coun	t	
Ferrous Alloys			122,880 - 30,720 -	Particle Couni	t	-24 -21
Ferrous Alloys			122,880 - 30,720 - 7,680 -	Particle Couni	t	-24
Ferrous Alloys		200000000000000000000000000000000000000	122,880 - 30,720 - 7,680 -	Particle Coun	t	-24 -21
Ferrous Alloys		200000000000000000000000000000000000000	122,880 - 30,720 - 7,680 -	Particle Coun	t	-24 -21 -20 -18
Ferrous Alloys	5	200000000000000000000000000000000000000	122,880 - 30,720 - 7,680 -	Particle Count	t	-24 -27 -20
Ferrous Alloys	5	21111111111111111111111	122,880 - 30,720 - 7,680 -	Particle Coun	t	-24 -21 -20 -18 -16
Ferrous Alloys	5		222,880- 30,720- 7,680- 200 200 200 200 200 200 200 200 200 2	Particle Coun	t	-24 -21 -20 -18 -16
Ferrous Alloys	5		122,880- 30,720- 7,680- 2000 E2000 E000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E000 E0000 E0000 E0000 E0000 E0000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E00		t	-24 -21 -20 -18 -18 -14 -14 -12
Ferrous Alloys	5		122,880- 30,720- 7,680- 2000 E2000 E000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E0000 E000 E0000 E0000 E0000 E0000 E0000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E000 E00	Particle Count	t	-24 -21 -20 -18 -16
Ferrous Alloys	5		122,880 30,720 7,680 EC CC CC W W 1,920 9 0 0 0 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920 1,920		t	-24 -21 -20 -18 -18 -14 -14 -12
Ferrous Alloys	5		122,880- 30,720- 7,680- (1) 1,920- 890-124 480- 120- 120- 300- 22- 00669	Boresemal	t	-24 -21 -20 -18 -18 -14 -14 -12
Ferrous Alloys	5		122,880 30,720 7,680 E E E E E E E E E E E E E E E E E E E	Bibresemal 4 6j4	t 14µ 21µ	-24 -21 -20 -18 -18 -14 -14 -12
Ferrous Alloys	5		122,880 30,720 7,680 200 200 200 200 200 200 200 200 200 2	Bèreemal		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880 30,720 7,680 200 200 200 200 200 200 200 200 200 2	Bibresemal 4 6j4		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880 30,720 7,680 200 200 200 200 200 200 200 200 200 2	Bibresemal 4 6j4		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880 30,720 7,680 200 200 200 200 200 200 200 200 200 2	Bibresemal 4 6j4		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880 30,720 7,680 200 200 200 200 200 200 200 200 200 2	Bibresemal 4 6j4		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880- 30,720- 7,680- 7,680- 7,680- 1,920- 80- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,920- 1,	Borreemal Acid Number		-24 -22 -20 -18 -14 -14 -12 -10 -8
Ferrous Alloys	5		122,880 30,720 7,680 (10 1 30) 890100 480 120 800100 480 300 800100 480 300 800100 480 300 800100 480 300 800100 480 800100 480 8001000 480 800100000000000000000000000000000000	Bibresemal 4 6j4		-24 -22 -20 -18 -14 -14 -12 -10 -8

Certificate 12367 **Test Package** : IND 2 (Additional Tests: KF, PrtCount) 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.

Unique Number : 10618877

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

Diagnostician : Don Baldridge

US 48071

Contact: SERVICE MANAGER