

## **OIL ANALYSIS REPORT**



#### Machine Id **1433320 (S/N 374387)** Component

Compressor

### KAESER SIGMA (OEM) M-460 (--- QTS)

#### DIAGNOSIS

#### Recommendation

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

#### Wear

All component wear rates are normal.

#### Contamination

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

#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     0     25         Solicon     ppm     ASTM D5185m     22         Solicon     ppm     ASTM D5185m     22         Solicon     ppm     ASTM D5185m     20     0 <t< th=""><th>SAMPLE INFORM</th><th>ATION</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     48810         Oil Age     hrs     Client Info     N/A         Sample Status     Client Info     N/A         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     2         Nickel     ppm     ASTM D5185n     >30     0         Silver     ppm     ASTM D5185n     >2     0         Aluminum     ppm     ASTM D5185n     >10     0         Copper     ppm     ASTM D5185n     >10     0         Vanadium     ppm     ASTM D5185n     >10     0         ADDTIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5185n     0     0	Sample Number		Client Info		KCPA011034		
Oil Age     hrs     Client Info     N/A         Sample Status     Client Info     N/A         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     2         Nickel     ppm     ASTM D5185m     >3     0         Nickel     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Astm D5185m     0     0          Astm D5185m     0     0          Mageanesium	Sample Date		Client Info		22 Jan 2024		
Oil Changed     Client Info     N/A         Sample Status     Image of the status     I	Machine Age	hrs	Client Info		48810		
Sample Status     method     Imit/base     current     history1     history2       WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     2         Nickel     ppm     ASTM D5185m     >3     0         Titanium     ppm     ASTM D5185m     >2     0         Aluminum     ppm     ASTM D5185m     >2     0         Aluminum     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     0     0         Aluminum     ppm     ASTM D5185m     0     0         Adamatium     ppm     ASTM D5185m     0     0         Adamatium     ppm     ASTM D5185m     0	Oil Age	hrs	Client Info		0		
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05165m     >50     2         Nickel     ppm     ASTM 05165m     >3     0         Nickel     ppm     ASTM 05165m     >3     0         Silver     ppm     ASTM 05165m     >10     0         Aduminum     ppm     ASTM 05165m     >10     0         Lead     ppm     ASTM 05165m     >10     0         ASTM 05165m     >10     0          Vanadium     ppm     ASTM 05165m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM 05165m     0     0         ADDITIVES     method     limit/base     current     history1	Oil Changed		Client Info		N/A		
Iron     ppm     ASTM D5185m     >50     2         Chromium     ppm     ASTM D5185m     >10     0         Nickel     ppm     ASTM D5185m     >3     0         Silver     ppm     ASTM D5185m     >3     0         Aluminum     ppm     ASTM D5185m     >10     0         Aluminum     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Magnesium     pm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0 <td< td=""><td>Sample Status</td><td></td><td></td><td></td><td>ABNORMAL</td><td></td><td></td></td<>	Sample Status				ABNORMAL		
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         Kommum     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Addenum     ppm     ASTM D5185m     0     0         Additybenum     ppm     ASTM D5185m     0     0    <	WEAR METALS		method	limit/base	current	history1	history2
Chromium     ppm     ASTM D5185m     >10     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         Vanadium     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         Vanadium     ppm     ASTM D5185m     >10     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Solifor     ppm     ASTM D5185m	Iron	ppm	ASTM D5185m	>50	2		
Nickel ppm ASTM D5185m >3 0     Titanium ppm ASTM D5185m >2 0     Aluminum ppm ASTM D5185m >10 0     Aluminum ppm ASTM D5185m >10 0     Aluminum ppm ASTM D5185m >10 0     Copper ppm ASTM D5185m >10 0     Vanadium ppm ASTM D5185m >10 0     Adminum ppm ASTM D5185m 0 0     Magnesium	Chromium		ASTM D5185m	>10	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   >50   3       Yanadium   ppm   ASTM D5185m   >10   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   733       Calcium   ppm   ASTM D5185m   25   9       Sulfur   ppm   ASTM D5185m   225	Nickel		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   0   0       Vanadium   ppm   ASTM D5185m   0   0       ADDITIVES   method   limit/base   current   history1   history2     Baron   ppm   ASTM D5185m   0   0       Magnese   ppm   ASTM D5185m   0   0       Magnese   ppm   ASTM D5185m   0   0       Magnesium   ppm   ASTM D5185m   0   0       Magnesium   ppm   ASTM D5185m   0   0       Solicon   ppm   ASTM D5185m   225 <td>Titanium</td> <td></td> <td>ASTM D5185m</td> <td>&gt;3</td> <td>0</td> <td></td> <td></td>	Titanium		ASTM D5185m	>3	0		
Aluminum     ppm     ASTM D5185m     >10     0         Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     3         Tin     ppm     ASTM D5185m     >10     0         Cadmium     ppm     ASTM D5185m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Molybdenum     ppm     ASTM D5185m     0     0         Maganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     22	Silver		ASTM D5185m	>2	0		
Lead     ppm     ASTM D5185m     >10     0         Copper     ppm     ASTM D5185m     >50     3         Vanadium     ppm     ASTM D5185m     >10     0         Cadmium     ppm     ASTM D5185m     0     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Malganese     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     0     25         Calcium     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     >25     9	Aluminum		ASTM D5185m	>10	0		
Copper     ppm     ASTM D5185m     >50     3         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         Maganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     0     25     9         Sulfur     ppm     ASTM D5185m     20     0         Sulfur     ppm     ASTM D5185m     22<					-		
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         Magnese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     0     25     9         Sulfur     ppm     ASTM D5185m     20     0         Sulfur     ppm     ASTM D5185m     20     0					-		
Vanadium     ppm     ASTM D5185m     0         Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     90     0         Barium     ppm     ASTM D5185m     90     0         Malganese     ppm     ASTM D5185m     0     0         Magnese     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0         Saligon     ppm     ASTM D5185m     0     4     733         Sulfur     ppm     ASTM D5185m     0     25          Sulfur     ppm     ASTM D5185m     22          Sulfur     ppm     ASTM D5185m     2					-		
Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     0     0         Magnesium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     0         Sulfur     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     225     9         Sodium     ppm     ASTM D5185m     >20     0         Sodium     ppm     ASTM D5185m     >20     0 <td></td> <td></td> <td></td> <td>210</td> <td>-</td> <td></td> <td></td>				210	-		
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         Magnesium     ppm     ASTM D5185m     100     0         Magnesium     ppm     ASTM D5185m     0     0     0        Phosphorus     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     0     25         Sulfur     ppm     ASTM D5185m     23500     735         Sodium     ppm     ASTM D5185m     20     0         Sodium     ppm     ASTM D5185m     20     0         Potassium     ppm     ASTM D6304     <					-		
Boron     ppm     ASTM D5185m     0     0         Barium     ppm     ASTM D5185m     90     0         Molybdenum     ppm     ASTM D5185m     0     0         Manganese     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     100     0         Calcium     ppm     ASTM D5185m     0     0         Calcium     ppm     ASTM D5185m     0     25         Stifur     ppm     ASTM D5185m     23500     735         Stifur     ppm     ASTM D5185m     225     9         Stifur     ppm     ASTM D5185m     225     9         Stifur     ppm     ASTM D5185m     20     0         Stifur     ppm     ASTM D5185m     <		PP		limit/base	-	history1	history2
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     25         Sulfur     ppm     ASTM D5185m     0     25     9         Solium     ppm     ASTM D5185m     225     9         Sodium     ppm     ASTM D5185m     >25     9         Sodium     ppm     ASTM D5185m     >20     0         Potassium     ppm     ASTM D5185m     >20     0         Patticles >4µm     ASTM D6304 <td></td> <td>nnm</td> <td></td> <td></td> <td></td> <td></td> <td></td>		nnm					
Molybdenum   ppm   ASTM D5165m   0       Manganese   ppm   ASTM D5185m   100   0       Magnesium   ppm   ASTM D5185m   0   0       Calcium   ppm   ASTM D5185m   0   0       Calcium   ppm   ASTM D5185m   0   733       Zinc   ppm   ASTM D5185m   0   25       Sulfur   ppm   ASTM D5185m   23500   735       Solium   ppm   ASTM D5185m   225   9       Solium   ppm   ASTM D5185m   >20   0       Sodium   ppm   ASTM D6185m   >20   0       Vater   %   ASTM D6304   >0.05   0.005       ppm Water   ppm   ASTM D7647   21140        Particles >4µm   ASTM D7647   >1300   6944<							
Maganesee   ppm   ASTM D5185m   <1					-		
Magnesium   ppm   ASTM D5185m   100   0       Calcium   ppm   ASTM D5185m   0   0       Phosphorus   ppm   ASTM D5185m   0   25       Zinc   ppm   ASTM D5185m   0   25       Sulfur   ppm   ASTM D5185m   0   25       Sulfur   ppm   ASTM D5185m   23500   735       CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   9       Sodium   ppm   ASTM D5185m   >20   0       Vater   %   ASTM D6304   >0.05   0.005       ppm Water   ppm   ASTM D7647   21140       Particles >4µm   ASTM D7647   >1300   6944       Particles >6µm   ASTM D7647   >20	-			0	-		
Calcium     ppm     ASTM D5185m     0     733         Phosphorus     ppm     ASTM D5185m     0     ▲ 733         Zinc     ppm     ASTM D5185m     0     ▲ 735         Sulfur     ppm     ASTM D5185m     23500     ▲ 735         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     9         Sodium     ppm     ASTM D5185m     >20     0         Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D5185m     >20     0         Particles >4µm     ASTM D5185m     >20     0         Particles >4µm     ASTM D7647     >100          Particles >4µm     ASTM D7647     >1300	-			100			
Phosphorus   ppm   ASTM D5185m   0   ▲ 733       Zinc   ppm   ASTM D5185m   0   25       Sulfur   ppm   ASTM D5185m   23500   ▲ 735       CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   9       Sodium   ppm   ASTM D5185m   >20   0       Potassium   ppm   ASTM D5185m   >20   0       Water   %   ASTM D5185m   >20   0       Water   %   ASTM D5185m   >20   0       Putlid CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300   6944       Particles >14µm   ASTM D7647   >20   163       Particles >21µm   ASTM D7647   20	-				-		
Zinc   ppm   ASTM D5185m   0   25       Sulfur   ppm   ASTM D5185m   23500   735       CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   9       Sodium   ppm   ASTM D5185m   >20   0       Potassium   ppm   ASTM D5185m   >20   0       Water   %   ASTM D6304   >0.05   0.005       Public CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   21140       Particles >4µm   ASTM D7647   >1300   6944       Particles >4µm   ASTM D7647   >20   163       Particles >21µm   ASTM D7647   >20   163       Particles >38µm   ASTM D7647   >3   0					-		
SulfurppmASTM D5185m23500▲ 735CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>259SodiumppmASTM D5185m>200PotassiumppmASTM D6185m>200Water%ASTM D6304>0.050.005ppm WaterppmASTM D6304>50052FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D764721140Particles >6µmASTM D7647>13006944Particles >14µmASTM D7647>20163Particles >21µmASTM D7647>30Particles >71µmASTM D7647>30Oil CleanlinessISO 4406 (c)>/17/1322/20/17FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2							
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>259SodiumppmASTM D5185m2PotassiumppmASTM D5185m>200PotassiumppmASTM D5185m>200Water%ASTM D6304>0.050.005ppm WaterppmASTM D6304>50052FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D764721140Particles >6µmASTM D7647>13006944Particles >1µmASTM D7647>20163Particles >38µmASTM D7647>30Particles >71µmASTM D7647>30Particles >71µmASTM D7647>30FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2					-		
Silicon   ppm   ASTM D5185m   >25   9       Sodium   ppm   ASTM D5185m   2       Potassium   ppm   ASTM D5185m   >20   0       Water   %   ASTM D6304   >0.05   0.005       Water   ppm   ASTM D6304   >500   52       FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   21140       Particles >6µm   ASTM D7647   >1300   6944       Particles >1µm   ASTM D7647   >20   163       Particles >21µm   ASTM D7647   >20   163       Particles >38µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   22/20/17       FLUID DEGRADATION   method   limit/base   current   history1							
Sodium     ppm     ASTM D5185m     2         Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D50304     >0.05     0.0055         ppm Water     ppm     ASTM D6304     >500     52         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     21140         Particles >6µm     ASTM D7647     >1300     6944         Particles >14µm     ASTM D7647     >80     651         Particles >21µm     ASTM D7647     >20     163         Particles >38µm     ASTM D7647     >4     7         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     22/20/17						history1	history2
Potassium     ppm     ASTM D5185m     >20     0         Water     %     ASTM D6304     >0.05     0.005         ppm Water     ppm     ASTM D6304     >500     52         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     21140         Particles >6µm     ASTM D7647     >1300     6944         Particles >14µm     ASTM D7647     >80     651         Particles >21µm     ASTM D7647     >20     163         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2 <td></td> <td></td> <td></td> <td>&gt;25</td> <td></td> <td></td> <td></td>				>25			
Water     %     ASTM D6304     >0.05     0.005         ppm Water     ppm     ASTM D6304     >500     52         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     21140         Particles >6µm     ASTM D7647     >1300     6944         Particles >14µm     ASTM D7647     >80     651         Particles >21µm     ASTM D7647     >20     163         Particles >38µm     ASTM D7647     >3     0         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2					_		
ppm Water     ppm     ASTM D6304     >500     52         FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     21140         Particles >6µm     ASTM D7647     >1300     6944         Particles >6µm     ASTM D7647     >80     651         Particles >14µm     ASTM D7647     >20     163         Particles >21µm     ASTM D7647     >4     7         Particles >38µm     ASTM D7647     >4     7         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)    /17/13     22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2					-		
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   21140       Particles >6µm   ASTM D7647   >1300   6944       Particles >6µm   ASTM D7647   >1300   6944       Particles >14µm   ASTM D7647   >80   651       Particles >21µm   ASTM D7647   >20   163       Particles >21µm   ASTM D7647   >4   7       Particles >38µm   ASTM D7647   >4   7       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   22/20/17       FLUID DEGRADATION   method   limit/base   current   history1   history2		%					
Particles >4μm   ASTM D7647   21140       Particles >6μm   ASTM D7647   >1300   6944       Particles >14μm   ASTM D7647   >80   651       Particles >14μm   ASTM D7647   >80   651       Particles >21μm   ASTM D7647   >20   163       Particles >38μm   ASTM D7647   >4   7       Particles >71μm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   22/20/17       FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>500	52		
Particles >6µm   ASTM D7647   >1300   ▲ 6944       Particles >14µm   ASTM D7647   >80   ▲ 651       Particles >21µm   ASTM D7647   >20   ▲ 163       Particles >38µm   ASTM D7647   >4   ▲ 7       Particles >38µm   ASTM D7647   >3   0       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 22/20/17       FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >80   ▲ 651       Particles >21µm   ASTM D7647   >20   ▲ 163       Particles >38µm   ASTM D7647   >4   ▲ 7       Particles >71µm   ASTM D7647   >3   0       Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 22/20/17       FLUID DEGRADATION   method   limit/base   current   history1   history2							
Particles >21µm     ASTM D7647     >20     ▲ 163         Particles >38µm     ASTM D7647     >4     ▲ 7         Particles >71µm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2							
Particles >38μm     ASTM D7647     >4     ▲ 7         Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2							
Particles >71μm     ASTM D7647     >3     0         Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2				>20			
Oil Cleanliness     ISO 4406 (c) >/17/13 ▲ 22/20/17         FLUID DEGRADATION     method     limit/base     current     history1     history2	•						
FLUID DEGRADATION method limit/base current history1 history2	-		ASTM D7647	>3	0		
	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>A</b> 22/20/17		
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.31	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.31		



# **OIL ANALYSIS REPORT**

limit/base

limit/base

limit/base

491,52

122,880

30.720 7.680

Jan22/24

per 1 1,920 current

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

current

current

Particle Count

NEG

NEG

**62.66** 

history1

history

history1

no image

no image

history2

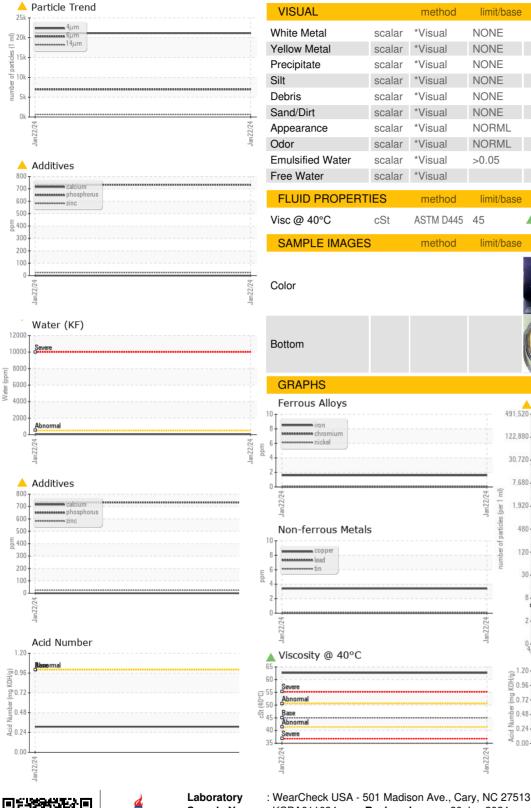
history2

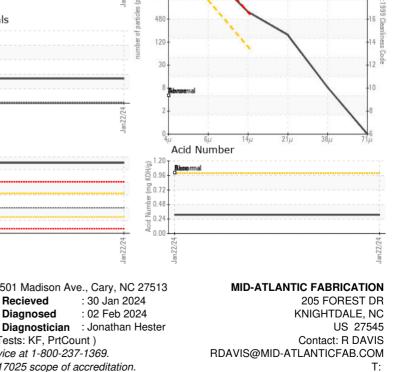
history2

no image

no imade

4406





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

Recieved

Diagnosed

: KCPA011034

: 06073956

: 10856047

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Certificate L2367

ē

Sample No.

Lab Number

Unique Number

F: