

### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

Machine Id

## KAESER DSD 250 5169562 (S/N 1073)

Component Compressor

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

#### DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. 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.

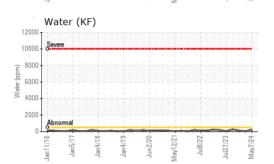
#### Fluid Condition

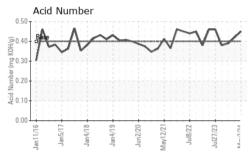
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

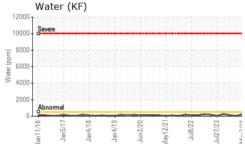
SAMPLE INFORMATION     method     limit/base     current     history1     history2       Sample Dumber     Client Info     07 May 2024     26 Feb 2024     16 Jan 2024       Machine Age     hrs     Client Info     75563     73976     73003       Oil Age     hrs     Client Info     1587     0     0       Oil Changed     Client Info     Not Changd     N/A     N/A       Sample Status     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >10     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Clead     ppm     ASTM D5185m     >10     0     0     0     0       Carmium     ppm     ASTM D5185m     >10     <1     <1     0     0     0     0     0     0     0     0     0     0     0										
Sample Number     Client Info     KC129325     KC122843     KC122843     KC122843       Sample Date     hrs     Client Info     73976     73003       Oil Age     hrs     Client Info     75563     73976     73003       Oil Age     Client Info     1587     0     0     0       Sample Status     Client Info     Not Changd     N/A     N/A       WEAR METALS     method     limil/base     current     history1     history2       Iron     ppm     ASTM D5155m     >3     0     0     0       Nickel     ppm     ASTM D5155m     >3     0     0     0       Aluminum     ppm     ASTM D5155m     >10     0     0     0       Aluminum     ppm     ASTM D5155m     >10     0     0     0     0       Vanadum     ppm     ASTM D5155m     10     0     0     0     0     0       Vanadum     ppm     ASTM D5155m     0     0     0     0			method	limit/base	current	history1	history2			
Sample Date     Client Info     07 May 2024     26 Feb 2024     16 Jan 2024       Machine Age     hrs     Client Info     75563     73976     73003       Oil Age     hrs     Client Info     1587     0     0     0       Oil Changed     Client Info     Not Changd     N/A     N/A     N/A       Sample Status     method     Imit/base     current     history1     history1       Iron     ppm     ASTM 05185m     >50     0     0     0       Nickel     ppm     ASTM 05185m     >3     0     0     0       Sliver     ppm     ASTM 05185m     >10     0     0     0       Lead     ppm     ASTM 05185m     >10     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0       ADTITVES     method     Imit/base     current     history1     history2       Boron     ppm     ASTM 05185m     0     0     0     0										
Machine Age     hrs     Client Info     75563     73976     73003       Oil Age     hrs     Client Info     1587     0     0       Oil Changed     Client Info     Not Changd     N/A     N/A       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Barium										
Oil Age     Inrs     Client Info     1587     0     0       Oil Changed     Client Info     Not Changd     N/A     N/A       Sample Status     Imit/base     current     Inistory1     Nistory1       WEAR METALS     method     limit/base     current     Inistory1     Inistory2       Iron     ppm     ASTM D5165m     >50     0     0     0       Chromium     ppm     ASTM D5165m     >3     0     0     0       Nickel     ppm     ASTM D5165m     >3     0     0     0       Aluminum     ppm     ASTM D5165m     >10     0     0     0       Lead     ppm     ASTM D5165m     >10     0     0     0       Vanadium     ppm     ASTM D5165m     0     0     0     0       Vanadium     ppm     ASTM D5165m     0     0     0     0       Astm D5165m     0     6     0     2     0     0       Astm D5165m		bro			-					
Oil Changed     Client Info     Not Changd     N/A     N/A       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Addition     ppm     ASTM D5185m     0     0     0     0       Addition     ppm     ASTM D5185m     0     0     0     0       Addition     ppm     ASTM D5185m     0     0     0     0	0									
Sample Staus     method     Imit/base     current     history1     NORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0     0     0       Nickel     ppm     ASTM D5185n     >3     0     0     0       Nickel     ppm     ASTM D5185n     >3     0     0     0       Silver     ppm     ASTM D5185n     >10     0     0     0       Aluminum     ppm     ASTM D5185n     >10     0     0     0       Copper     ppm     ASTM D5185n     >10     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Barium     ppm     ASTM D5185n     0     0     0     0       Molyoberum     ppm     ASTM D5185n     0     0     0     0       Molyoberum     ppm     ASTM D5185n     0     0     0 <td< td=""><td>-</td><td>1115</td><td></td><td></td><td></td><td>÷</td><td>÷</td></td<>	-	1115				÷	÷			
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5165m     >50     0     0     0       Nickel     ppm     ASTM D5165m     >3     0     0     0       Nickel     ppm     ASTM D5165m     >3     0     0     0       Silver     ppm     ASTM D5165m     >2     0     0     0       Aluminum     ppm     ASTM D5165m     >10     0     0     0       Lead     ppm     ASTM D5165m     >10     0     0     0     0       Vanadium     ppm     ASTM D5165m     >10     <1	•		Client Inio							
Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Auminum     ppm     ASTM D5185m     >10     0     0     0       Aduminum     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     <1	-		m oth o d	limit/base			-			
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     >2     0     0     0       Auminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     <1										
Nickel     ppm     ASTM D5185m     >3     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >50     <1	-				-					
Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     <1					-					
Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     <1		ppm			-					
Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     <1					-					
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     <1		ppm			-					
Copper     ppm     ASTM D5185m     >50     <1     8     7       Tin     ppm     ASTM D5185m     >10     <1		ppm			-					
Tin     ppm     ASTM D5185m     >10     <1     <1     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     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     2     2     0     0       Calcium     ppm     ASTM D5185m     2     2     0     0       Zinc     ppm     ASTM D5185m     0     0     0     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     5     0     0 <td>Lead</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;10</td> <td>-</td> <td></td> <td></td>	Lead	ppm	ASTM D5185m	>10	-					
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     0     0       Barium     ppm     ASTM D5185m     90     64     0     2       Molybdenum     ppm     ASTM D5185m     90     58     0     0       Magnese     ppm     ASTM D5185m     2     2     0     0       Magnesium     ppm     ASTM D5185m     2     2     0     0       Calcium     ppm     ASTM D5185m     2     2     0     0       Zinc     ppm     ASTM D5185m     0     0     0     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     5     0     0	Copper	ppm	ASTM D5185m	>50		8				
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     90     64     0     2       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     90     58     0     0       Calcium     ppm     ASTM D5185m     90     58     0     0     0       Contam     ppm     ASTM D5185m     2     2     0     0       Contam     ppm     ASTM D5185m     2     0     0     0       Silicon     ppm     ASTM D5185m     >25     0     0     0       Solium     ppm     ASTM D5185m     >20     5     0     0       Solium     ppm     ASTM D5185m     20     0     0     0	Tin	ppm	ASTM D5185m	>10			0			
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     90     64     0     2       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Marganese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     90     58     0     0       Calcium     ppm     ASTM D5185m     90     58     0     0       Calcium     ppm     ASTM D5185m     2     2     0     0       Zinc     ppm     ASTM D5185m     6     0     2     2       Silicon     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >20     5     0     0       Vater     %     ASTM D6304     >0.05     0.022     0.003 <t< td=""><td>Vanadium</td><td>ppm</td><td>ASTM D5185m</td><td></td><td>0</td><td>0</td><td>0</td></t<>	Vanadium	ppm	ASTM D5185m		0	0	0			
Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     90     64     0     2       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     <1	Cadmium	ppm	ASTM D5185m		0	0	0			
Barium     ppm     ASTM D5185m     90     64     0     2       Molybdenum     ppm     ASTM D5185m     0     0     0       Marganese     ppm     ASTM D5185m     <<1	ADDITIVES		method	limit/base	current	history1	history2			
Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     <<1	Boron	ppm			0	0	0			
Manganese   ppm   ASTM D5185m   <1   0   0     Magnesium   ppm   ASTM D5185m   90   58   0   0     Calcium   ppm   ASTM D5185m   2   2   0   0     Phosphorus   ppm   ASTM D5185m   2   2   0   0     Zinc   ppm   ASTM D5185m   0   0   0   2     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   >20   5   0   0   0     Vater   %   ASTM D6304   >0.05   0.022   0.003   0.012     ppm   ASTM D7647   1300   2796   217   489   489     Particles >4µm   ASTM D7647   >1300   2796   217 <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>90</td> <td>64</td> <td>0</td> <td>2</td>	Barium	ppm	ASTM D5185m	90	64	0	2			
Magnesium     ppm     ASTM D5185m     90     58     0     0       Calcium     ppm     ASTM D5185m     2     2     0     0       Phosphorus     ppm     ASTM D5185m     0     0     0     0       Zinc     ppm     ASTM D5185m     0     0     0     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >20     5     0     0     0       Sodium     ppm     ASTM D5185m     >20     5     0     0     0       Water     %     ASTM D5185m     >20     5     0     0     0       ppm     ASTM D5185m     >20     5     0     0     0     0       Potassium     ppm     ASTM D5185m     >20     5     0     0     0     0     0     0     0 <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>0</td> <td>0</td> <td>0</td>	Molybdenum	ppm	ASTM D5185m		0	0	0			
Calcium   ppm   ASTM D5185m   2   2   0   0     Phosphorus   ppm   ASTM D5185m   0   0   0   0     Zinc   ppm   ASTM D5185m   0   0   0   0     Zinc   ppm   ASTM D5185m   6   0   2     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   >20   5   0   0     Sodium   ppm   ASTM D5185m   >20   5   0   0     Water   %   ASTM D5034   >0.05   0.022   0.003   0.012     ppm   ASTM D7647   10083   1078   1878     Particles >4µm   ASTM D7647   >10083   1078   1878     Particles >14µm   ASTM D7647   >20   12   5   12     Particles >21µm   ASTM D7	Manganese	ppm	ASTM D5185m		<1	0	0			
Phosphorus     ppm     ASTM D5185m     0     0     0       Zinc     ppm     ASTM D5185m     6     0     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >20     5     0     0     0       Vater     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm Water     ppm     ASTM D7647     10083     1078     1878       Particles >4µm     ASTM D7647     >1300     2796     217     489       Particles >1µm     ASTM D7647     >20     12     5     12       Particles >21µm     ASTM D7647     >20     12     5     12       Particles	Magnesium	ppm	ASTM D5185m	90	58	0	0			
Zinc     ppm     ASTM D5185m     6     0     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >20     5     0     0     0       Potassium     ppm     ASTM D5185m     >20     5     0     0     0       Water     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm Water     ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >80     93     11     44       Particles >21µm     ASTM D7647     >20     12 <t< td=""><td>Calcium</td><td>ppm</td><td>ASTM D5185m</td><td>2</td><td>2</td><td>0</td><td>0</td></t<>	Calcium	ppm	ASTM D5185m	2	2	0	0			
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     0     0     0       Sodium     ppm     ASTM D5185m     >25     0     0     0       Potassium     ppm     ASTM D5185m     >20     5     0     0       Water     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm Water     ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >20     12     5     12       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >38µm     ASTM D7647     >3     0     0     0	Phosphorus	ppm	ASTM D5185m		0	0	0			
Silicon   ppm   ASTM D5185m   >25   0   0   0     Sodium   ppm   ASTM D5185m   21   <1	Zinc	ppm	ASTM D5185m		6	0	2			
Sodium     ppm     ASTM D5185m     21     <1     5       Potassium     ppm     ASTM D5185m<>20     5     0     0       Water     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >80     93     11     44       Particles >14µm     ASTM D7647     >20     12     5     12       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >38µm     ASTM D7647     >3     0     0     0       Oli Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base <td>CONTAMINANTS</td> <td></td> <td>method</td> <td>limit/base</td> <td>current</td> <td>history1</td> <td>history2</td>	CONTAMINANTS		method	limit/base	current	history1	history2			
Potassium     ppm     ASTM D5185m     >20     5     0     0       Water     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >80     93     11     44       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >38µm     ASTM D7647     >3     0     0     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Silicon	ppm	ASTM D5185m	>25	0	0	0			
Water     %     ASTM D6304     >0.05     0.022     0.003     0.012       ppm Water     ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >20     217     489       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >38µm     ASTM D7647     >20     12     5     12       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Sodium		ASTM D5185m		21	<1	5			
ppm Water     ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >80     93     11     44       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >21µm     ASTM D7647     >4     0     0     1       Particles >38µm     ASTM D7647     >3     0     0     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	5	0	0			
ppm Water     ppm     ASTM D6304     >500     227     40     125       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     10083     1078     1878       Particles >6µm     ASTM D7647     >1300     2796     217     489       Particles >14µm     ASTM D7647     >80     93     11     44       Particles >21µm     ASTM D7647     >20     12     5     12       Particles >21µm     ASTM D7647     >4     0     0     1       Particles >38µm     ASTM D7647     >4     0     0     1       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Water	%	ASTM D6304	>0.05	0.022	0.003	0.012			
Particles >4µm   ASTM D7647   10083   1078   1878     Particles >6µm   ASTM D7647   >1300   2796   217   489     Particles >14µm   ASTM D7647   >80   93   11   44     Particles >21µm   ASTM D7647   >20   12   5   12     Particles >21µm   ASTM D7647   >20   12   5   12     Particles >38µm   ASTM D7647   >4   0   0   1     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >17/13   19/14   15/11   16/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>500		40	125			
Particles >6μm     ASTM D7647     >1300     ▲ 2796     217     489       Particles >14μm     ASTM D7647     >80     ● 93     11     44       Particles >21μm     ASTM D7647     >20     12     5     12       Particles >38μm     ASTM D7647     >4     0     0     1       Particles >38μm     ASTM D7647     >4     0     0     1       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2			
Particles >14μm     ASTM D7647     >80     93     11     44       Particles >21μm     ASTM D7647     >20     12     5     12       Particles >38μm     ASTM D7647     >4     0     0     1       Particles >38μm     ASTM D7647     >3     0     0     0       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >4µm		ASTM D7647		10083	1078	1878			
Particles >14μm     ASTM D7647     >80     93     11     44       Particles >21μm     ASTM D7647     >20     12     5     12       Particles >38μm     ASTM D7647     >4     0     0     1       Particles >38μm     ASTM D7647     >3     0     0     0       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300	<u> </u>	217	489			
Particles >38μm     ASTM D7647     >4     0     0     1       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     ▲ 19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm		ASTM D7647	>80	93	11	44			
Particles >38μm     ASTM D7647     >4     0     0     1       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     ▲ 19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647	>20	12	5	12			
Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >17/13     ▲ 19/14     15/11     16/13       FLUID DEGRADATION     method     limit/base     current     history1     history2					0		1			
Oil Cleanliness   ISO 4406 (c)   >17/13   ▲ 19/14   15/11   16/13     FLUID DEGRADATION   method   limit/base   current   history1   history2	-			>3		0	0			
						15/11	16/13			
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.45 0.42 0.39	FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.45	0.42	0.39			

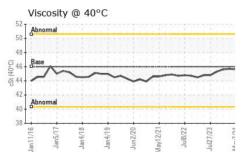


#### Particle Trend 50 Ê 40 14µm 왕 30k of na 20 10 0 Aay12/21 Jan 11/



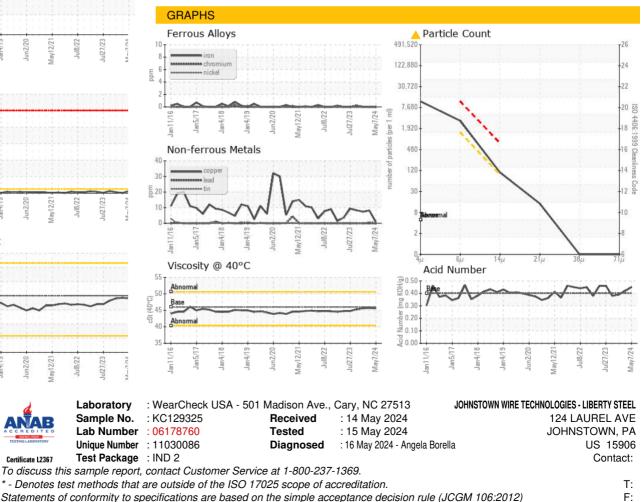






# **OIL ANALYSIS REPORT**

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.6	45.7	45.6
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



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

Contact/Location: ? ? - JOHJOHKC Page 2 of 2