

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





Compressor

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

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

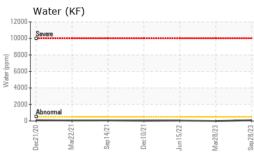
### Fluid Condition

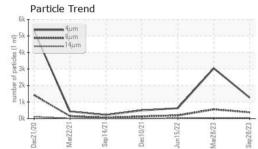
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

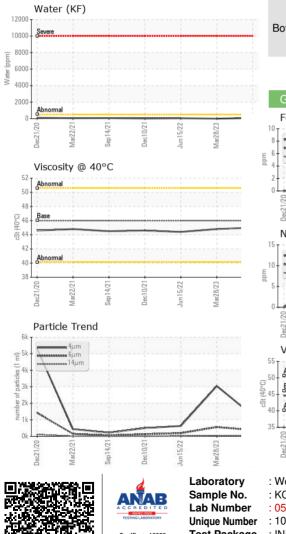
Machine Age     hrs     Client Info     31835     28601     26235       Oil Age     hrs     Client Info     0     2366     5490       Oil Changed     Client Info     N/A     Changed     Changed       Sample Status     Imit Vortice     NORMAL     NORMAL     NORMAL       WEAR METALS     method     Imit Vbase     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0     0     0       Nickel     ppm     ASTM D5185n     >33     0     0     0       Silver     ppm     ASTM D5185n     >2     0     0     0       Silver     ppm     ASTM D5185n     >10     0     0     0       Copper     ppm     ASTM D5185n     >10     0     0     0       Cadmium     ppm     ASTM D5185n     50     13     10     5       Tin     ppm     ASTM D5185n     0     0     0     0       Cadadium     ppm </th <th></th> <th></th> <th>De:2020</th> <th>Marzuzi Sepzuzi</th> <th>Dec2021 Jun2022 Mar2023</th> <th>Sep2023</th> <th>1.1.1.1.0</th>			De:2020	Marzuzi Sepzuzi	Dec2021 Jun2022 Mar2023	Sep2023	1.1.1.1.0
Sample Date     Client Info     28 Sep 2023     28 Mar 2023     15 Jun 2022       Machine Age     hrs     Client Info     31835     28601     26235       Oil Age     hrs     Client Info     0     2366     5490       Oil Changed     Client Info     N/A     Changed     Changed     Changed       Sample Status     method     Imitbase     current     history1     history1     history1       Iron     ppm     ASTM 05185m     >50     0     0     0       Nickel     ppm     ASTM 05185m     >10     0     0     0       Silver     ppm     ASTM 05185m     >10     0     0     0       Copper     ppm     ASTM 05185m     >10     0     0     0       Antimory     ppm     ASTM 05185m     0     0     0     0       Antimory     ppm     ASTM 05185m     0     0     0     0       Antimory     ppm     ASTM 05185m     0     0     0     0<	SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     31835     28601     26235       Oil Age     hrs     Client Info     0     2366     5490       Oil Changed     Sample Status     NCRMAL     NORMAL     NORMAL     NORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0     0     0       Nickel     ppm     ASTM 05185m     >3     0     0     0       Stiver     ppm     ASTM 05185m     >3     0     0     0       Lead     ppm     ASTM 05185m     >10     0     0     0       Antimomy     ppm     ASTM 05185m     10     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0  <	Sample Number				KC121360	KC107676	
Oil Age     hrs     Client Info     0     2366     5490       Oil Changed     Client Info     N/A     Changed     Changed	Sample Date		Client Info		28 Sep 2023	28 Mar 2023	15 Jun 2022
Oil Changed Sample Status     Client Info     N/A     Changed NORMAL     Changed NORMAL     Changed NORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Othornium     ppm     ASTM D5185m     >3     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Lead     ppm     ASTM D5185m     >10     1     0     0       Astm D5185m     >10     0     0     0     0       Astm D5185m     >10     0     0     0     0       Astm D5185m     10     0     0     0     0       Astm D5185m     0     0     0     0     0       Astm D5185m     0     0     0     0     0       Astm D5185m     0     0 <td< td=""><td>Machine Age</td><td>hrs</td><td>Client Info</td><td></td><th>31835</th><td>28601</td><td>26235</td></td<>	Machine Age	hrs	Client Info		31835	28601	26235
Sample Status     method     Imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Chromium     ppm     ASTM D5185m     >30     0     0     0       Nickel     ppm     ASTM D5185m     >33     0     0     0       Silver     ppm     ASTM D5185m     >33     0     0     0       Aluminum     ppm     ASTM D5185m     >10     1     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ASTM D5185m     0     0     0     0     0     0       ASTM D5185m     0     0     0     0     0     0  <	Oil Age	hrs	Client Info		0	2366	5490
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0     0     0       Chromium     ppm     ASTM 05185m     >3     0     0     0       Nickel     ppm     ASTM 05185m     >3     0     0     0       Silver     ppm     ASTM 05185m     >2     0     0     0       Aduminum     ppm     ASTM 05185m     >10     0     0     0       Lead     ppm     ASTM 05185m     >10     0     0     0       Antimony     ppm     ASTM 05185m     >10     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0       Antimony     ppm     ASTM 05185m     0     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0 <td>Oil Changed</td> <td></td> <td>Client Info</td> <td></td> <th>N/A</th> <td>Changed</td> <td>Changed</td>	Oil Changed		Client Info		N/A	Changed	Changed
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     >3     0     0     0       Auminum     ppm     ASTM D5185m     >10     1     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Cadadium     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >50     0     0     0       Adadium     ppm     ASTM D5185m     0     0     0     0       Adadium     ppm     ASTM D5185m     0     0     0     0       Adadium     ppm     ASTM D5185m     0     0     0     0       Adadium     ppm     ASTM D5185m     90     <1	Sample Status				NORMAL	NORMAL	NORMAL
Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       ASTM D5185m     >2     0     0     0     0       Astm D5185m     >10     1     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0     0 <td>WEAR METALS</td> <td></td> <td>method</td> <td>limit/base</td> <th>current</th> <td>history1</td> <td>history2</td>	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     1     0     0       Aluminum     ppm     ASTM D5185m     >10     0     0     0       Lead     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >50     13     10     5       Cadmium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     2     0     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0	Iron	ppm	ASTM D5185m	>50	0	0	0
Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     1     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     0       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       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     2     0     0     0 <td>Chromium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;10</td> <th>0</th> <td>0</td> <td>0</td>	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >10     1     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >50     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0     0       ADDITIVES     method     Imit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0       Contadium     ppm     ASTM D5185m     2     1     0	Nickel	ppm	ASTM D5185m	>3	0	0	0
Aluminum     ppm     ASTM D5185m     >10     1     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0       Vanadium     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     0     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0       ContrAMINANTS     method     imit/base     current     history1     history2 <td>Titanium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;3</td> <th>0</th> <td>0</td> <td>0</td>	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m           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       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     0     0     0     0       Calcium     ppm     ASTM D5185m     0     0     0     0       Zinc     ppm     ASTM D5185m     0     0     0     0	Silver	ppm	ASTM D5185m	>2	0	0	0
Copper     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     0     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     0     0       Magnesium     ppm     ASTM D5185m     0     0     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0       Colacium     ppm     ASTM D5185m     2     0     0     0       Colacium     ppm     ASTM D5185m     2     0     0     0       Silicon     ppm     ASTM D5185m     20     1     0     0	Aluminum	ppm	ASTM D5185m	>10	1	0	0
Copper     ppm     ASTM D5185m     >50     13     10     5       Tin     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m     0     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     history1       Barium     ppm     ASTM D5185m     0     0     0     0       Molydenum     ppm     ASTM D5185m     0     0     0     0       Magnese     ppm     ASTM D5185m     0     0     0     0       Colacium     ppm     ASTM D5185m     2     0     0     0       Calacium     ppm     ASTM D5185m     2     0     0     0       Silicon     ppm     ASTM D5185m     20     <1	Lead		ASTM D5185m	>10	0	0	0
Tin     ppm     ASTM D5185m     >10     0     0     0       Antimony     ppm     ASTM D5185m          Vanadium     ppm     ASTM D5185m     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Magnese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     90     <1	Copper		ASTM D5185m	>50	13	10	5
Antimony     ppm     ASTM D5185m          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       Magaesee     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     0     0     0       Calcium     ppm     ASTM D5185m     0     0     0     0       Zinc     ppm     ASTM D5185m     2     0     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     <1	Tin				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     0     <1       Barium     ppm     ASTM D5185m     90     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0     0       Magnessium     ppm     ASTM D5185m     90     <1     0     0     0       Calcium     ppm     ASTM D5185m     90     <1     0     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     20     <1     0     0       Vater     %	Antimony				-		
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     <1			ASTM D5185m		0	0	0
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     <1							
Boron     ppm     ASTM D5185m     0     0     <1       Barium     ppm     ASTM D5185m     90     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     90     <1	ADDITIVES	P.F.		limit/base	current	history1	history2
Barium     ppm     ASTM D5185m     90     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     0     0     0       Magnesium     ppm     ASTM D5185m     90     <1		nnm					
Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     90     <1				90			
Manganese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     90     <1				30	-		
Magnesium     ppm     ASTM D5185m     90     <1     0     0       Calcium     ppm     ASTM D5185m     2     0     0     0       Phosphorus     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     >20     <1							
Calcium     ppm     ASTM D5185m     2     0     0     0       Phosphorus     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     >20     <1	-			00	-		
Phosphorus     ppm     ASTM D5185m     2     8     11       Zinc     ppm     ASTM D5185m     0     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     >20     <1     0     0       Potassium     ppm     ASTM D5185m     >20     <1     0     0       Water     %     ASTM D6304     >0.05     0.009     0.00     0.005       ppm Water     ppm     ASTM D6304     >500     91.2     0.00     54.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >1300     376     556     191       Particles >14µm     ASTM D7647     >80     48     49     24       Particles >21µm     ASTM D7647     >4     2     2     1	0						
Zinc     ppm     ASTM D5185m     0     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     >20     <1				2			
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     >20     <1	,						
Silicon     ppm     ASTM D5185m     >25     7     4     15       Sodium     ppm     ASTM D5185m     0     <1			_				
Sodium     ppm     ASTM D5185m     0     <1     0       Potassium     ppm     ASTM D5185m     >20     <1							
Potassium     ppm     ASTM D5185m     >20     <1     0     0       Water     %     ASTM D6304     >0.05     0.009     0.00     0.005       ppm     ASTM D6304     >500     91.2     0.00     54.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     1263     3046     627       Particles >6µm     ASTM D7647     >1300     376     556     191       Particles >14µm     ASTM D7647     >80     48     49     24       Particles >21µm     ASTM D7647     >20     19     19     8       Particles >38µm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2				>25			
Water     %     ASTM D6304     >0.05     0.009     0.00     0.005       ppm Water     ppm     ASTM D6304     >500     91.2     0.00     54.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     1263     3046     627       Particles >6µm     ASTM D7647     >1300     376     556     191       Particles >14µm     ASTM D7647     >80     48     49     24       Particles >21µm     ASTM D7647     >20     19     19     8       Particles >38µm     ASTM D7647     >4     2     2     1       Particles >71µm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2					-		
ppm Water     ppm     ASTM D6304     >500     91.2     0.00     54.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     1263     3046     627       Particles >6µm     ASTM D7647     >1300     376     556     191       Particles >14µm     ASTM D7647     >80     48     49     24       Particles >21µm     ASTM D7647     >20     19     19     8       Particles >21µm     ASTM D7647     >4     2     2     1       Particles >38µm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2							÷
FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4μm     ASTM D7647     1263     3046     627       Particles >6μm     ASTM D7647     >1300     376     556     191       Particles >6μm     ASTM D7647     >80     48     49     24       Particles >14μm     ASTM D7647     >20     19     19     8       Particles >21μm     ASTM D7647     >20     19     19     8       Particles >38μm     ASTM D7647     >4     2     2     1       Particles >38μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2							
Particles >4μm     ASTM D7647     1263     3046     627       Particles >6μm     ASTM D7647     >1300     376     556     191       Particles >14μm     ASTM D7647     >80     48     49     24       Particles >21μm     ASTM D7647     >20     19     19     8       Particles >21μm     ASTM D7647     >20     19     19     8       Particles >38μm     ASTM D7647     >4     2     2     1       Particles >71μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D6304	>500	91.2	0.00	54.6
Particles >6μm     ASTM D7647     >1300     376     556     191       Particles >14μm     ASTM D7647     >80     48     49     24       Particles >21μm     ASTM D7647     >20     19     19     8       Particles >21μm     ASTM D7647     >20     19     19     8       Particles >38μm     ASTM D7647     >4     2     2     1       Particles >38μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2		IESS	method	limit/base		history1	history2
Particles >14µm     ASTM D7647     >80     48     49     24       Particles >21µm     ASTM D7647     >20     19     19     8       Particles >38µm     ASTM D7647     >4     2     2     1       Particles >38µm     ASTM D7647     >4     2     2     1       Particles >71µm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2							
Particles >21μm     ASTM D7647     >20     19     19     8       Particles >38μm     ASTM D7647     >4     2     2     1       Particles >37μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm						
Particles >38μm     ASTM D7647     >4     2     2     1       Particles >71μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm						
Particles >71μm     ASTM D7647     >3     1     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm			>20			8
Oil Cleanliness     ISO 4406 (c)     >/17/13     17/16/13     19/16/13     16/15/12       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >38µm					2	1
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	1	0	0
	Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/13	19/16/13	16/15/12
Acid Number (AN) mg KOH/g ASTM D8045 0.4 0.42 0.64 0.46	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.42	0.64	0.46



# **OIL ANALYSIS REPORT**







1007.12						
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	VLITE
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 PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.0	44.8	44.4
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color					J	
				All Parts and	1.001	11 miles

Bottom

