

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



KAESER SFC 30 6328329 (S/N 1004)

Compressor

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

#### DIAGNOSIS

#### 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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

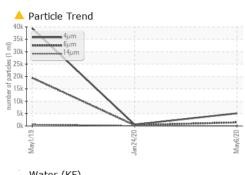
#### Fluid Condition

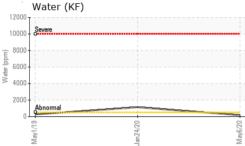
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

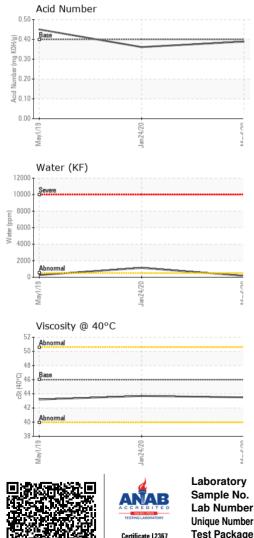
SAMPLE INFORMATION     method     linit/base     current     history1     history2       Sample Number     Client Info     KC83622     KC66785     KC74853       Sample Date     Client Info     6288     6030     1520       Oil Age     hrs     Client Info     528     4410     1520       Oil Age     hrs     Client Info     528     4410     1520       Oil Changed     Client Info     528     4410     1520       Sample Status     Imit/base     current     Natornal     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >10     0     0     0       Titanium     ppm     ASTM 05185m     >10     0     0     0       Copper     ppm     ASTM 05185m     >10     0     0     0       Aluminum     ppm     ASTM 05185m     >10     0     0     0       Cadmium     ppm     ASTM 05185m			Ma	y2019	Jan2020 May20	120	
Sample Date     Client Info     66 May 2020     24 Jan 2020     01 May 2019       Machine Age     hrs     Client Info     5288     6030     1620       Oil Age     hrs     Client Info     252     4410     1620       Oil Changed     Client Info     Not Changed     Changed     ABNORMAL       WEAR METALS     method     Imit/base     current     history1     history2       Iron     ppm     ASTM 05155m     >50     0     0     <1       Chromium     ppm     ASTM 05155m     >3     0     <1     0       Nickel     ppm     ASTM 05155m     >3     0     <1     0       Aluminum     ppm     ASTM 05155m     >10     0     0     <1       Aluminum     ppm     ASTM 05155m     >10     0     0     <1       Antimony     ppm     ASTM 05155m     10     0     0     <1       Adminum     ppm     ASTM 05155m     10     0     0     <1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     528     6030     1620       Oil Age     hrs     Client Info     252     4410     1620       Oil Age     Client Info     Not Changed     ABNORMAL     ABNORMAL       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0     0     <1       Chromium     ppm     ASTM D5185n     >30     0     0     0       Nickel     ppm     ASTM D5185n     >3     0     0     0       Silver     ppm     ASTM D5185n     >3     0     0     0       Lead     ppm     ASTM D5185n     >10     0     0     0       Copper     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmiu	Sample Number		Client Info		KC83622	KC66785	KC74853
Oil Age     hrs     Client Info     252     4410     1620       Oil Changed     Client Info     Not Changed     Changed     Changed       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     0     0     <1       Chromium     ppm     ASTM 05185m     >3     0     <1     0       Nickel     ppm     ASTM 05185m     >3     0     0     0       Aluminum     ppm     ASTM 05185m     >10     0     0     0       Copper     ppm     ASTM 05185m     >10     0     0     0       Tin     ppm     ASTM 05185m     >10     0     0     0       Addium     ppm     ASTM 05185m     >10     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0	Sample Date		Client Info		06 May 2020	24 Jan 2020	01 May 2019
Oil Changed Sample Status Client Info Not Changed ATTENTION Changed ABNORMAL Changed ABNORMAL   WEAR METALS method limit/base current history1 history2   Iron ppm ASTM D5185m >50 0 0 <1   Ohromium ppm ASTM D5185m >33 0 <1 0   Nickel ppm ASTM D5185m >33 0 <1 0   Nickel ppm ASTM D5185m >33 0 <1 0   Nottenum ppm ASTM D5185m >33 0 <1 0   Aluminum ppm ASTM D5185m >10 0 0 0   Lead 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   Boron ppm ASTM D5185m 0 0 0 0   Barlum ppm ASTM D5185m 2 2 0 2   Barlum ppm <	Machine Age	hrs	Client Info		6288	6030	1620
Sample Status     ATTENTION     ABNORMAL     ABNORMAL     ABNORMAL       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185n     >50     0     0     <1       Chromium     ppm     ASTM D5185n     >30     0     0     0       Nickel     ppm     ASTM D5185n     >33     0     0     0       Silver     ppm     ASTM D5185n     >30     0     0     0       Lead     ppm     ASTM D5185n     >10     <1     <1     0       Copper     ppm     ASTM D5185n     >10     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     0     0     0     0       Cadmium     ppm     ASTM D5185n     2     2     2     2  <	Oil Age	hrs	Client Info		252	4410	1620
WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     <1       Chromium     ppm     ASTM D5185m     >33     0     0     0       Nickel     ppm     ASTM D5185m     >33     0     0     0       Silver     ppm     ASTM D5185m     >33     0     0     0       Auminum     ppm     ASTM D5185m     >30     0     0     0       Lead     ppm     ASTM D5185m     >10     <1     <1     0     0       Antimony     ppm     ASTM D5185m     >10     0     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0     0     0     0     0 <td< th=""><th>Oil Changed</th><th></th><th>Client Info</th><th></th><th>Not Changd</th><th>Changed</th><th>Changed</th></td<>	Oil Changed		Client Info		Not Changd	Changed	Changed
Iron     ppm     ASTM D5185m     >50     0     0     <11	Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Chromium     ppm     ASTM D5185m     >10     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     <1     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Silver     ppm     ASTM D5185m     >10     <1     <1     0       Lead     ppm     ASTM D5185m     >10     0     0     <1       Lead     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     >10     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     69     0     50       Cadium     ppm     ASTM D5185m     2     2     2     2	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >3     0     <1	Iron	ppm	ASTM D5185m	>50	0	0	<1
Titanium     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >10     0     0     0     0       Lead     ppm     ASTM D5185m     >10     0     0     0     0       Copper     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     0     0     0     0       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       Magnesium     ppm     ASTM D5185m     2     2     0     2       Molybedenum     ppm     ASTM D5185m     2     1	Chromium	ppm	ASTM D5185m	>10	0	0	0
Silver     ppm     ASTM D5185m     >2     0     0     <1	Nickel	ppm	ASTM D5185m	>3	0	<1	0
Aluminum     ppm     ASTM D5185m     >10     <1	Titanium	ppm	ASTM D5185m	>3	0	0	0
Lead     ppm     ASTM D5185m     >10     0     0     0       Copper     ppm     ASTM D5185m     >50     4     9     1       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     <1     0     0     0       Magnese     ppm     ASTM D5185m     0     0     0     1       Magnesium     ppm     ASTM D5185m     2     2     0     2       Phosphorus     ppm     ASTM D5185m     2     2     0     2       Silicon     ppm     ASTM D5185m     2     1     0     9	Silver	ppm	ASTM D5185m	>2	0	0	<1
Copper     ppm     ASTM D5185m     >50     4     9     1       Tin     ppm     ASTM D5185m     >10     0     0     <1       Antimony     ppm     ASTM D5185m     0     0     0     0       Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     90     41     0     26       Molybdenum     ppm     ASTM D5185m     90     69     0     50       Calcium     ppm     ASTM D5185m     2     2     0     2       Phosphorus     ppm     ASTM D5185m     2     2     0     2       Zinc     ppm     ASTM D5185m     2     1     3     0       Sodium     ppm     ASTM D5185m     20     7     0     2	Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Tin     ppm     ASTM D5185m     >10     0     0     <11	Lead	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     <1     0     0       Barium     ppm     ASTM D5185m     <1     0     0       Magnanese     ppm     ASTM D5185m     0     0     0       Magnaese     ppm     ASTM D5185m     2     2     0     2       Magnaese     ppm     ASTM D5185m     2     2     2     2       Calcium     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >20     7     0     2       Vater     % <th>Copper</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>4</th> <th>9</th> <th>1</th>	Copper	ppm	ASTM D5185m	>50	4	9	1
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     90     41     0     0       Barium     ppm     ASTM D5185m     90     41     0     26       Molyddenum     ppm     ASTM D5185m     90     69     0     0       Magnesium     ppm     ASTM D5185m     90     69     0     50       Calcium     ppm     ASTM D5185m     21     2     0     2       Instory1     MSTM D5185m     21     0     2     2     2       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     20     7     0     2       Sodium     ppm     ASTM D5185m     20     7     0     2	Tin	ppm	ASTM D5185m	>10	0	0	<1
Cadmium     ppm     ASTM D5185m     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     <1	Antimony	ppm	ASTM D5185m		0	0	0
ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     <1     0     0       Barium     ppm     ASTM D5185m     90     41     0     26       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     <1     0     <1     0     26       Magnesium     ppm     ASTM D5185m     <1     0     <1     0     <1       Magnesium     ppm     ASTM D5185m     2     2     0     2	Vanadium	ppm	ASTM D5185m		0	0	0
Boron     ppm     ASTM D5185m     <1	Cadmium	ppm	ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     90     41     0     26       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     <     <1     0     <1       Magnesium     ppm     ASTM D5185m     90     69     0     50       Calcium     ppm     ASTM D5185m     2     2     0     2       Phosphorus     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Silicon     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D6304     >0.05     0.017     0.113     0.027       ppm     ASTM D6304     >500     170.2     1130     270       Particles >4µm     ASTM D7647     >1300     1452     321     19440  P	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     90     69     0     50       Calcium     ppm     ASTM D5185m     90     69     0     2       Phosphorus     ppm     ASTM D5185m     2     2     0     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Silicon     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D5185m     >20     7     0.113     0.027       ppm Water     ppm     ASTM D6304     >0.05     0.017     11300     270       Particles >4µm     ASTM D7647     >1300     1452     321     19440 <	Boron	ppm	ASTM D5185m		<1	0	0
Manganese     ppm     ASTM D5185m     <1	Barium	ppm	ASTM D5185m	90	41	0	26
Magnesium     ppm     ASTM D5185m     90     69     0     50       Calcium     ppm     ASTM D5185m     2     2     0     2       Phosphorus     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Zinc     ppm     ASTM D5185m     2     2     2     2       Silicon     ppm     ASTM D5185m     7     0     26       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >20     7     0     2       Sodium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D6304     >0.05     0.017     0.113     0.027       ppm Water     ppm     ASTM D7647     >1300     1452     321     19440       Particles >4µm     ASTM D7647     >1300     1452     321     19440<	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium   ppm   ASTM D5185m   2   2   0   2     Phosphorus   ppm   ASTM D5185m   2   2   2   2     Zinc   ppm   ASTM D5185m   2   2   2   2   2     Zinc   ppm   ASTM D5185m   2   7   0   26     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >25   <1   3   0     Sodium   ppm   ASTM D5185m   >20   7   0   2     Water   %   ASTM D6304   >0.05   0.017   △   0.113   0.027     ppm   ASTM D6304   >500   170.2   △   1130   270     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >1300   ▲   1452   321   ▲   19440     Particles >14µm   ASTM D7647   >80   40   54   609   39463     Particles >21µm<	Manganese	ppm	ASTM D5185m		<1	0	<1
Phosphorus     ppm     ASTM D5185m     2     2     2       Zinc     ppm     ASTM D5185m     7     0     26       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1	Magnesium	ppm	ASTM D5185m	90	69	0	50
Zinc     ppm     ASTM D5185m     7     0     26       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D6304     >0.05     0.017     ▲ 0.113     0.027       ppm Water     ppm     ASTM D6304     >500     170.2     ▲ 1130     270       Particles >4µm     ASTM D7647     >1300     ▲ 1452     321     ▲ 19440       Particles >6µm     ASTM D7647     >1300     ▲ 1452     321     ▲ 19440       Particles >14µm     ASTM D7647     >20     8     18     11       Particles >21µm     ASTM D7647     >20     8     18     11       Particles >38µm     ASTM D7647     >3     0     0     0     0	Calcium	ppm	ASTM D5185m	2	2	0	2
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >25     <1     3     0       Sodium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D5185m     >20     7     0.113     0.027       ppm Water     ppm     ASTM D6304     >0.05     0.017     11300     270       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     5105     589     39463       Particles >6µm     ASTM D7647     >1300     1452     321     19440       Particles >6µm     ASTM D7647     >20     8     18     11       Particles >14µm     ASTM D7647     >20     8     18     11       Particles >38µm     ASTM D7647     >3     0     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     18/12     16/13     21/16	Phosphorus	ppm	ASTM D5185m		2	2	2
Silicon   ppm   ASTM D5185m   >25   <1	Zinc	ppm	ASTM D5185m		7	0	26
Sodium     ppm     ASTM D5185m     11     0     9       Potassium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D6304     >0.05     0.017     ▲ 0.113     0.027       ppm Water     ppm     ASTM D6304     >500     170.2     ▲ 1130     270       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     5105     589     39463       Particles >6µm     ASTM D7647     >1300     ▲ 1452     321     ▲ 19440       Particles >6µm     ASTM D7647     >80     40     54     609       Particles >14µm     ASTM D7647     >20     8     18     11       Particles >38µm     ASTM D7647     >4     0     2     1       Particles >71µm     ASTM D7647     >3     0     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     18/12     16/13     21/16	CONTAMINANTS	3	method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     7     0     2       Water     %     ASTM D6304     >0.05     0.017     ▲ 0.113     0.027       ppm Water     ppm     ASTM D6304     >500     170.2     ▲ 1130     270       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     5105     589     39463       Particles >6µm     ASTM D7647     >1300     ▲ 1452     321     ▲ 19440       Particles >6µm     ASTM D7647     >80     40     54     609       Particles >14µm     ASTM D7647     >20     8     18     11       Particles >38µm     ASTM D7647     >4     0     2     1       Particles >71µm     ASTM D7647     >3     0     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     18/12     16/13     21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2 </th <th>Silicon</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;25</th> <th>&lt;1</th> <th>3</th> <th>0</th>	Silicon	ppm	ASTM D5185m	>25	<1	3	0
Water   %   ASTM D6304   >0.05   0.017   ▲   0.113   0.027     ppm Water   ppm   ASTM D6304   >500   170.2   ▲   1130   270     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   5105   589   39463     Particles >6µm   ASTM D7647   >1300   ▲   1452   321   ▲   19440     Particles >6µm   ASTM D7647   >80   40   54   609   609     Particles >21µm   ASTM D7647   >20   8   18   11     Particles >38µm   ASTM D7647   >4   0   2   1     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13   18/12   16/13   21/16     FLUID DEGRADATION   method   limit/base   current   history1   history2	Sodium	ppm	ASTM D5185m		11	0	9
ppm Water     ppm     ASTM D6304     >500     170.2     ▲ 1130     270       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     5105     589     39463       Particles >6µm     ASTM D7647     >1300     ▲ 1452     321     ▲ 19440       Particles >6µm     ASTM D7647     >80     40     54     609       Particles >14µm     ASTM D7647     >20     8     18     11       Particles >21µm     ASTM D7647     >4     0     2     1       Particles >38µm     ASTM D7647     >3     0     0     0       Oli Cleanliness     ISO 4406 (c)     >/17/13     18/12     16/13     21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	7	0	2
FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647510558939463Particles >6µmASTM D7647>1300145232119440Particles >14µmASTM D7647>804054609Particles >21µmASTM D7647>2081811Particles >38µmASTM D7647>4021Particles >71µmASTM D7647>3000Oil CleanlinessISO 4406 (c)>/17/1318/1216/1321/16FLUID DEGRADATIONmethodlimit/basecurrenthistory1history2	Water	%	ASTM D6304	>0.05	0.017	<b>0</b> .113	0.027
Particles >4μm   ASTM D7647 <b>5105</b> 589   39463     Particles >6μm   ASTM D7647   >1300   ▲ 1452   321   ▲ 19440     Particles >14μm   ASTM D7647   >80   40   54   ▲ 609     Particles >21μm   ASTM D7647   >20   8   18   11     Particles >21μm   ASTM D7647   >4   0   2   1     Particles >38μm   ASTM D7647   >4   0   2   1     Particles >71μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 18/12   16/13   ▲ 21/16     FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>500	170.2	<b>1</b> 130	270
Particles >6µm   ASTM D7647   >1300   ▲ 1452   321   ▲ 19440     Particles >14µm   ASTM D7647   >80   40   54   ▲ 609     Particles >21µm   ASTM D7647   >20   8   18   11     Particles >38µm   ASTM D7647   >4   0   2   1     Particles >38µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >/17/13   ▲ 18/12   16/13   ▲ 21/16     FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14μm     ASTM D7647     >80     40     54     609       Particles >21μm     ASTM D7647     >20     8     18     11       Particles >38μm     ASTM D7647     >4     0     2     1       Particles >38μm     ASTM D7647     >3     0     0     0       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     ▲ 18/12     16/13     ▲ 21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >4µm				5105	589	39463
Particles >21μm     ASTM D7647     >20     8     18     11       Particles >38μm     ASTM D7647     >4     0     2     1       Particles >37μm     ASTM D7647     >3     0     0     0       Oll Cleanliness     ISO 4406 (c)     >/17/13     ▲ 18/12     16/13     ▲ 21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >6µm		ASTM D7647	>1300	<b>1452</b>	321	19440
Particles >38μm     ASTM D7647     >4     0     2     1       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13     18/12     16/13     21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >14µm		ASTM D7647	>80	40	54	<b>6</b> 09
Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >/17/13 <b>18/12</b> 16/13     21/16       FLUID DEGRADATION     method     limit/base     current     history1     history2	Particles >21µm		ASTM D7647	>20	8	18	11
Oil Cleanliness   ISO 4406 (c) >/17/13 ▲ 18/12   16/13 ▲ 21/16     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >38µm						1
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
	Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>18/12</b>	16/13	<b>2</b> 1/16
Acid Number (AN)     mg KOH/g     ASTM D8045     0.4     0.389     0.361     0.450	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.389	0.361	0.450



# **OIL ANALYSIS REPORT**







VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
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	VLITE	LIGHT	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	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	43.5	43.7	43.2
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						

A Particle Count Ferrous Alloys 491 520 122,880 nicke 30,720 7,680 20 8 Mav6/20 1406 Mav1 (per 1 1,920 Non-ferrous Metals 480 10 120 30 an24/20 Mav1 Viscosity @ 40°C Acid Number 55 (B) 0.50 HOX 0.40 50 (D=0+) 45 Ē 0.30 Ba ළි 0.20 ŝ Abnorma 40 Jan 0.10 0.00 P 35 Jan24/20 Mav6/20 Jan24/20 Mav1/19 Mav1 : WearCheck USA - 501 Madison Ave., Cary, NC 27513 DUPONT : KC83622 Received 6200 HILLCREST : 12 May 2020 Lab Number : 04975333 VALLEY VIEW, OH Tested : 13 May 2020 Diagnosed Unique Number : 9025475 : 13 May 2020 - Jonathan Hester US 44125 Test Package : IND 2 Contact: 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.

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

T: F:

Contact/Location: ? ? - DUPVAL