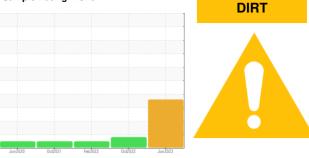


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**METRO METRO 21034** Component **Rear Differential** 

NOT GIVEN (--- GAL)

### DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

# 🔺 Wear

Gear wear is indicated.

## Contamination

There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

### Fluid Condition

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

Sample Date     Client Info     07 Jun 2023     14 Oct 2022     25 Feb 2022       Machine Age     mis     Client Info     305726     253641     186451       Oil Age     mis     Client Info     0     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history 1     history 2       Iron     ppm     ASTM 05185m     >500     4     544     231     180       Okckel     ppm     ASTM 05185m     >10     4     0     0       Aluminum     ppm     ASTM 05185m     25     7     5     4       Lead     ppm     ASTM 05185m     >10     4     0     0       Attimony     ppm     ASTM 05185m     >5          Vanadium     ppm     ASTM 05185m     246     344     377       Barino     ppm     ASTM 05185m     246     344     <	SAMPLE INFORM	<b>/IATION</b>	method	limit/base	current	history 1	history 2
Sample Date     Client Info     07 Jun 2023     14 Oct 2022     25 Feb 2022       Machine Age     mis     Client Info     305726     253641     188451       Oll Age     Client Info     0     0     0     0       Oll Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Image     Client Info     N/A     N/A     N/A     N/A       WEAR METALS     method     Imit/base     current     history 1     history 2       from     ppm     ASTM 05185m     >10     4     0     0       Kinkel     ppm     ASTM 05185m     >10     4     0     0       Kinkel     ppm     ASTM 05185m     >25     7     5     4       Lead     ppm     ASTM 05185m     >10     4     2     2       Vanadium     ppm     ASTM 05185m     >10     1     0     0       Cadmium     ppm     ASTM 05185m	Sample Number		Client Info		WC0828798	WC0751717	WC0666413
Oil Age     mis     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history 1     history 1       WEAR METALS     method     limit/base     current     history 1     history 2       Kromium     ppm     ASTM DSIS5m     >10     5     2     2       Nickel     ppm     ASTM DSIS5m     >10     4     0     0       Aluminum     ppm     ASTM DSIS5m     >25     7     5     4       Lead     ppm     ASTM DSIS5m     >10     4     2     2       Aluminum     ppm     ASTM DSIS5m     >10     4     2     2       Tin     ppm     ASTM DSIS5m     >10     4     2     2     1       Vanadium     ppm     ASTM DSIS5m               -	Sample Date		Client Info		07 Jun 2023	14 Oct 2022	25 Feb 2022
Oil Age     mis     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history 1     history 1       WEAR METALS     method     limit/base     current     history 1     history 2       Koromium     ppm     ASTM 05185m     >10     5     2     2       Nickel     ppm     ASTM 05185m     >10     4     0     0       Aluminum     ppm     ASTM 05185m     >25     7     5     4       Lead     ppm     ASTM 05185m     >10     4     2     2       Auminum     ppm     ASTM 05185m     >10     4     2     2       Tin     ppm     ASTM 05185m     >10     4     2     2     1       Vanadium     ppm     ASTM 05185m     1	Machine Age	mls	Client Info		305726	253641	186451
Oil Changed     Client Info     N/A     N/A     N/A     N/A     N/A     N/A       Sample Status     Image of the status     Image of the status     Image of the status     N/A     ABNORMAL     ABNORMAL     ABNORMAL     N/A	Oil Age	mls	Client Info		0		0
Sample Status     method     Imit/base     current     history 1     history 2       Iron     ppm     ASTM D5185n     >500     ▲ 544     231     180       Chromium     ppm     ASTM D5185n     >10     5     2     2       Nickel     ppm     ASTM D5185n     >10     5     2     2       Titanium     ppm     ASTM D5185n     >10     4     0     0     1       Silver     ppm     ASTM D5185n     >25     7     5     4     1       Lead     ppm     ASTM D5185n     >25     0     0     0     0       Copper     ppm     ASTM D5185n     >10     4     2     2     1       Copper     ppm     ASTM D5185n     >10     0	-		Client Info		N/A	N/A	N/A
Iron     ppm     ASTM D5185m     >500     ▲ 544     231     180       Chromium     ppm     ASTM D5185m     >10     4     0     0       Nickel     ppm     ASTM D5185m     >10     4     0     0       Silver     ppm     ASTM D5185m     >10     4     0     0       Aluminum     ppm     ASTM D5185m     >25     7     5     4       Lead     ppm     ASTM D5185m     >25     7     5     4       Lead     ppm     ASTM D5185m     >10     4     2     2       Tin     ppm     ASTM D5185m     >10     4     0     0       Adtimony     ppm     ASTM D5185m          Vanadium     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     24     6     5       Maganese     ppm     ASTM D5185m     246     24     6       Molybdenum	-				ABNORMAL	ABNORMAL	NORMAL
Dromium     ppm     ASTM D5185m     >10     5     2     2       Nickel     ppm     ASTM D5185m     >10     4     0     0       Titanium     ppm     ASTM D5185m     >0     0     <1	WEAR METALS		method	limit/base	current	history 1	history 2
Nickel     ppm     ASTM D5185m     >10     4     0     0       Titanium     ppm     ASTM D5185m      0     0     <1	Iron	ppm	ASTM D5185m	>500	<b>5</b> 44	231	180
Titanium   ppm   ASTM D5185m   <1	Chromium	ppm	ASTM D5185m	>10	5	2	2
Titanium   ppm   ASTM D5185m   <1	Nickel	ppm	ASTM D5185m	>10	4	0	0
Aluminum     ppm     ASTM D5185m     >25     7     5     4       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     4     2     2       Tin     ppm     ASTM D5185m     >10     <1	Titanium	ppm	ASTM D5185m		<1	<1	<1
Aluminum     ppm     ASTM D5185m     >25     7     5     4       Lead     ppm     ASTM D5185m     >25     0     0     0       Copper     ppm     ASTM D5185m     >10     4     2     2       Tin     ppm     ASTM D5185m     >10     <1	Silver	ppm	ASTM D5185m		0	0	<1
Copper     ppm     ASTM D5185m     >100     4     2     2       Tin     ppm     ASTM D5185m     >10     <1	Aluminum	ppm	ASTM D5185m	>25	7	5	4
Tin   ppm   ASTM D5185m   >10   <1   0   0     Antimony   ppm   ASTM D5185m   >5        Vanadium   ppm   ASTM D5185m   >5         ADITIVES   method   limit/base   current   history 1   history 2     Boron   ppm   ASTM D5185m   246   344   377     Barium   ppm   ASTM D5185m   12   14   15   2     Magaese   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   2106   2016   2016     Solifur   ppm   ASTM D5185m   2106   20361   20161     CONTAMINANTS <th< td=""><td>Lead</td><td>ppm</td><td>ASTM D5185m</td><td>&gt;25</td><th>0</th><td>0</td><td>0</td></th<>	Lead	ppm	ASTM D5185m	>25	0	0	0
Tin   ppm   ASTM D5185m   >10   <1   0   0     Antimony   ppm   ASTM D5185m   >5        Vanadium   ppm   ASTM D5185m   <5        Cadmium   ppm   ASTM D5185m   0   0   0   0     ADDITIVES   method   limit/base   current   history 1   history 2     Boron   ppm   ASTM D5185m   246   344   377     Barium   ppm   ASTM D5185m   246   344   377     Barium   ppm   ASTM D5185m   14   <1   2     Magnese   ppm   ASTM D5185m   12   14   15     Calcium   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   2106   2015   2046     Sulfur   ppm   ASTM D5185m   >75   84   84   65   52     Sodium   ppm	Copper		ASTM D5185m	>100	4	2	2
Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history 1     history 2       Boron     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     2     0     0       Molybdenum     ppm     ASTM D5185m     24     6     5       Manganese     ppm     ASTM D5185m     14     <1	Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium     ppm     ASTM D5185m     <1     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history 1     history 2       Boron     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     2     0     0       Maganese     ppm     ASTM D5185m     14     <1     2       Maganese     ppm     ASTM D5185m     224     6     5       Maganese     ppm     ASTM D5185m     244     6     5       Maganesum     ppm     ASTM D5185m     288     17     16       Phosphorus     ppm     ASTM D5185m     2106     2015     2046       Zinc     ppm     ASTM D5185m     28490     28361     20161       CONTAMINANTS     method     limit/base     current     history 1     history 2       Solicon     ppm     ASTM D5185m     >75 <th< td=""><td>Antimony</td><td></td><td>ASTM D5185m</td><td>&gt;5</td><th></th><td></td><td></td></th<>	Antimony		ASTM D5185m	>5			
Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history 1     history 2       Boron     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     2     0     0       Molybdenum     ppm     ASTM D5185m     14     <1			ASTM D5185m		<1	0	0
Boron     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     2     0     0       Molybdenum     ppm     ASTM D5185m     14     <1	Cadmium		ASTM D5185m		0	0	0
Boron     ppm     ASTM D5185m     246     344     377       Barium     ppm     ASTM D5185m     2     0     0       Molybdenum     ppm     ASTM D5185m     14     <1	ADDITIVES		method	limit/base	current	history 1	history 2
Barium     ppm     ASTM D5185m     2     0     0       Molybdenum     ppm     ASTM D5185m     14     <1	Boron	maa	ASTM D5185m		246		
Molybdenum   ppm   ASTM D5185m   14   <1					-		
Manganese     ppm     ASTM D5185m     24     6     5       Magnesium     ppm     ASTM D5185m     12     14     15       Calcium     ppm     ASTM D5185m     28     17     16       Phosphorus     ppm     ASTM D5185m     2106     2015     2046       Zinc     ppm     ASTM D5185m     13     18     14       Sulfur     ppm     ASTM D5185m     28490     28361     20161       CONTAMINANTS     method     limit/base     current     history 1     history 2       Silicon     ppm     ASTM D5185m     >75     & 84     65     52       Sodium     ppm     ASTM D5185m     >75     & 84     65     52       Sodium     ppm     ASTM D5185m     >20     5     4     1       Vater     %     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D7647     >20000     \$93765     & 88854        Particles							
Magnesium   ppm   ASTM D5185m   12   14   15     Calcium   ppm   ASTM D5185m   28   17   16     Phosphorus   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   13   18   14     Sulfur   ppm   ASTM D5185m   28490   28361   20161     CONTAMINANTS   method   limit/base   current   history 1   history 2     Silicon   ppm   ASTM D5185m   >75   & 84   65   52     Sodium   ppm   ASTM D5185m   >75   & 84   0.034   0.049     Potassium   ppm   ASTM D5185m   >20   5   4   1     Water   %   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   pm   ASTM D7647   >2000   485.8   345.7   496.3     FLUID CLEANLINESS   method   limit/base   current   history 1   history 2     Particles >4µm   ASTM D7647   >20000   93765   88854 <td< td=""><td></td><td></td><td></td><td></td><th></th><td></td><td></td></td<>							
Calcium   ppm   ASTM D5185m   28   17   16     Phosphorus   ppm   ASTM D5185m   2106   2015   2046     Zinc   ppm   ASTM D5185m   13   18   14     Sulfur   ppm   ASTM D5185m   28490   28361   20161     CONTAMINANTS   method   limit/base   current   history 1   history 2     Silicon   ppm   ASTM D5185m   >75   ▲ 84   65   52     Sodium   ppm   ASTM D5185m   >75   ▲ 84   65   52     Sodium   ppm   ASTM D5185m   >20   5   4   1     Potassium   ppm   ASTM D5185m   >20   5   4   1     Water   %   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   pm   ASTM D7647   >2000   485.8   345.7   496.3     Particles >4µm   ASTM D7647   >2000   93765   88854      Particles >6µm   ASTM D7647   >640   31   35  <	•					14	15
Phosphorus     ppm     ASTM D5185m     2106     2015     2046       Zinc     ppm     ASTM D5185m     13     18     14       Sulfur     ppm     ASTM D5185m     28490     28361     20161       CONTAMINANTS     method     limit/base     current     history 1     history 2       Silicon     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >20     5     4     1       Potassium     ppm     ASTM D5185m     >20     5     4     1       Water     %     ASTM D6304     >2     0.0488     0.034     0.049       ppm     ASTM D7647     >20000     93765     88854 <td>0</td> <td></td> <td></td> <td></td> <th>28</th> <td>17</td> <td></td>	0				28	17	
Zinc     ppm     ASTM D5185m     13     18     14       Sulfur     ppm     ASTM D5185m     28490     28361     20161       CONTAMINANTS     method     limit/base     current     history 1     history 2       Silicon     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >20     5     4     1       Potassium     ppm     ASTM D5185m     >20     5     4     1       Water     %     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >.2     0.048     0.034     0.049       particles >4µm     ASTM D7647     >2000 <b>4</b> 85.8     345.7     496.3       Particles >4µm     ASTM D7647     >2000 <b>93765 8</b> 8854        Particles >4µm     ASTM D7647     >640 <b>31</b> 35     <	Phosphorus		ASTM D5185m		2106	2015	2046
Sulfur     ppm     ASTM D5185m     28490     28361     20161       CONTAMINANTS     method     limit/base     current     history 1     history 2       Silicon     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >20     5     4     1       Potassium     ppm     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >.2000     485.8     345.7     496.3       Particles >4µm     ASTM D7647     >20000     ▲ 93765     ▲ 88854        Particles >6µm     ASTM D7647     >600 <t< td=""><td></td><td></td><td>ASTM D5185m</td><td></td><th>13</th><td>18</td><td>14</td></t<>			ASTM D5185m		13	18	14
CONTAMINANTS     method     limit/base     current     history 1     history 2       Silicon     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >75     ▲ 84     65     52       Sodium     ppm     ASTM D5185m     >20     5     4     10       Potassium     ppm     ASTM D5185m     >20     5     4     1       Water     %     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >2000     485.8     345.7     496.3       FLUID CLEANLINESS     method     limit/base     current     history 1     history 2       Particles >4µm     ASTM D7647     >20000     \$93765     \$88854        Particles >6µm     ASTM D7647     >640     31     35        Particles >14µm     ASTM D7647     >160	Sulfur				28490	28361	20161
Silicon   ppm   ASTM D5185m   >75   ▲ 84   65   52     Sodium   ppm   ASTM D5185m   11   10   10     Potassium   ppm   ASTM D5185m   >20   5   4   1     Water   %   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   ppm   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   ppm   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   ppm   ASTM D6304   >2000   485.8   345.7   496.3     FLUID CLEANLINESS   method   limit/base   current   history 1   history 2     Particles >4µm   ASTM D7647   >20000   \$93765   88854      Particles >6µm   ASTM D7647   >5000   \$562   2367      Particles >14µm   ASTM D7647   >640   31   35      Particles >21µm   ASTM D7647   >160   6   11      Particles >71µm   ASTM D7647   10   1 </td <td>CONTAMINANTS</td> <td></td> <td>method</td> <td>limit/base</td> <th>current</th> <td>history 1</td> <td>history 2</td>	CONTAMINANTS		method	limit/base	current	history 1	history 2
Sodium     ppm     ASTM D5185m     11     10     10       Potassium     ppm     ASTM D5185m     >20     5     4     1       Water     %     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >2000     485.8     345.7     496.3       FLUID CLEANLINESS     method     limit/base     current     history 1     history 2       Particles >4µm     ASTM D7647     >20000     ● 93765     ▲ 88854        Particles >6µm     ASTM D7647     >5000     ● 5562     2367        Particles >14µm     ASTM D7647     >640     31     35        Particles >21µm     ASTM D7647     >160     6     11        Particles >38µm     ASTM D7647     >10     1     0        Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12 </td <td>Silicon</td> <td>nnm</td> <td></td> <td></td> <th></th> <td></td> <td></td>	Silicon	nnm					
Potassium   ppm   ASTM D5185m   >20   5   4   1     Water   %   ASTM D6304   >.2   0.048   0.034   0.049     ppm Water   ppm   ASTM D6304   >.2   0.048   0.034   0.049     Ppm Water   ppm   ASTM D6304   >.2000   485.8   345.7   496.3     FLUID CLEANLINESS   method   limit/base   current   history 1   history 2     Particles >4µm   ASTM D7647   >20000   ● 93765   ▲ 88854      Particles >6µm   ASTM D7647   >5000   ● 5562   2367      Particles >14µm   ASTM D7647   >640   31   35      Particles >21µm   ASTM D7647   >160   6   11      Particles >38µm   ASTM D7647   >10   1   0      Oil Cleanliness   ISO 4406 (c)   >21/19/16   24/20/12   24/18/12      FLUID DEGRADATION   method   limit/base   current   history 1   history 2				215	-		
Water     %     ASTM D6304     >.2     0.048     0.034     0.049       ppm Water     ppm     ASTM D6304     >2000     485.8     345.7     496.3       FLUID CLEANLINESS     method     limit/base     current     history 1     history 2       Particles >4µm     ASTM D7647     >2000     ▲ 93765     ▲ 88854        Particles >6µm     ASTM D7647     >5000     ▲ 5562     2367        Particles >14µm     ASTM D7647     >640     31     35        Particles >21µm     ASTM D7647     >160     6     11        Particles >38µm     ASTM D7647     >10     1     0        Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12        FLUID DEGRADATION     method     limit/base     current     history 1     history 2				>20			
ppm Water     ppm     ASTM D6304     >2000     485.8     345.7     496.3       FLUID CLEANLINESS     method     limit/base     current     history 1     history 2       Particles >4µm     ASTM D7647     >20000     93765     & 88854        Particles >6µm     ASTM D7647     >5000     ▲ 5562     2367        Particles >14µm     ASTM D7647     >640     31     35        Particles >14µm     ASTM D7647     >160     6     11        Particles >21µm     ASTM D7647     >160     6     11        Particles >38µm     ASTM D7647     >10     1     0        Particles >71µm     ASTM D7647     >10     1     0        Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12        FLUID DEGRADATION     method     limit/base     current     history 1     history 2							
Particles >4μm   ASTM D7647   >20000   ▲ 93765   ▲ 88854      Particles >6μm   ASTM D7647   >5000   ▲ 5562   2367      Particles >14μm   ASTM D7647   >640   31   35      Particles >14μm   ASTM D7647   >160   6   11      Particles >21μm   ASTM D7647   >160   6   11      Particles >38μm   ASTM D7647   >40   1   1      Particles >71μm   ASTM D7647   >10   1   0      Oil Cleanliness   ISO 4406 (c)   >21/19/16   24/20/12   24/18/12      FLUID DEGRADATION   method   limit/base   current   history 1   history 2							
Particles >4μm   ASTM D7647   >20000   ▲ 93765   ▲ 88854      Particles >6μm   ASTM D7647   >5000   ▲ 5562   2367      Particles >14μm   ASTM D7647   >640   31   35      Particles >14μm   ASTM D7647   >160   6   11      Particles >21μm   ASTM D7647   >160   6   11      Particles >38μm   ASTM D7647   >40   1   1      Particles >71μm   ASTM D7647   >10   1   0      Oil Cleanliness   ISO 4406 (c)   >21/19/16   24/20/12   24/18/12      FLUID DEGRADATION   method   limit/base   current   history 1   history 2	FLUID CLEANLIN	IESS	method	limit/base	current	history 1	history 2
Particles >6µm   ASTM D7647   >5000   ▲ 5562   2367      Particles >14µm   ASTM D7647   >640   31   35      Particles >14µm   ASTM D7647   >160   6   11      Particles >21µm   ASTM D7647   >160   6   11      Particles >38µm   ASTM D7647   >40   1   1      Particles >38µm   ASTM D7647   >40   1   0      Particles >71µm   ASTM D7647   >10   1   0      Oil Cleanliness   ISO 4406 (c)   >21/19/16   24/20/12   ≥24/18/12      FLUID DEGRADATION   method   limit/base   current   history 1   history 2	Particles >4um		ASTM D7647	>20000	<b>93765</b>		
Particles >14µm   ASTM D7647   >640   31   35      Particles >21µm   ASTM D7647   >160   6   11      Particles >38µm   ASTM D7647   >40   1   1      Particles >38µm   ASTM D7647   >40   1   0      Particles >71µm   ASTM D7647   >10   1   0      Oil Cleanliness   ISO 4406 (c)   >21/19/16   24/20/12   24/18/12      FLUID DEGRADATION   method   limit/base   current   history 1   history 2	•						
Particles >21μm     ASTM D7647     >160     6     11        Particles >38μm     ASTM D7647     >40     1     1        Particles >38μm     ASTM D7647     >40     1     1        Particles >71μm     ASTM D7647     >10     1     0        Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12        FLUID DEGRADATION     method     limit/base     current     history 1     history 2							
Particles >38μm     ASTM D7647     >40     1     1        Particles >71μm     ASTM D7647     >10     1     0      0       Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12        FLUID DEGRADATION     method     limit/base     current     history 1     history 2							
Particles >71μm     ASTM D7647     >10     1     0        Oil Cleanliness     ISO 4406 (c)     >21/19/16     24/20/12     24/18/12        FLUID DEGRADATION     method     limit/base     current     history 1     history 2	•						
Oil Cleanliness   ISO 4406 (c) >21/19/16 ▲ 24/20/12 ▲ 24/18/12     FLUID DEGRADATION   method   limit/base   current   history 1   history 2	•						
Acid Number (AN) mg KOH/g ASTM D8045 3.53 2.80 3.34	FLUID DEGRADA		method	limit/base	current	history 1	history 2
	Acid Number (AN)	mg KOH/a	ASTM D8045		3.53	2.80	3.34

Report Id: bastarhd [WUSCAR] 05881462 (Generated: 06/30/2023 07:28:47) Rev: 2

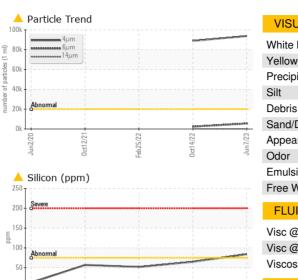
Contact/Location: GIANNA CREDAROLI - BASTARHD

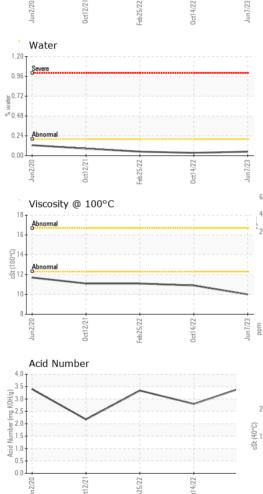


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# **OIL ANALYSIS REPORT**

Bottom





VISUAL		method	limit/base	current	history 1	history 2
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	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445		59.5	64.3	64.7
Visc @ 100°C	cSt	ASTM D445		10.0	10.9	11.1
Viscosity Index (VI)	Scale	ASTM D2270		154	161	165
SAMPLE IMAGES	S	method	limit/base	current	history 1	history 2
Color				Ber United Controls	Re la construction de la constru	Fier Pre
				1		

