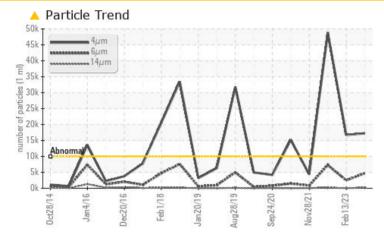


Fluid FRICK COMPRESSOR OIL #11 (--- GAL)

### COMPONENT CONDITION SUMMARY



### RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC T	EST RESULTS				
Sample Status			ATTENTION	ATTENTION	ABNORMAL
Particles >4µm	ASTM D7647	>10000	<u> </u>	<b>1</b> 6718	<b>48833</b>
Particles >6µm	ASTM D7647	>2500	🔺 4695	2467	<b>A</b> 7300
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>	<b>1</b> 21/18/12	▲ 23/20/15

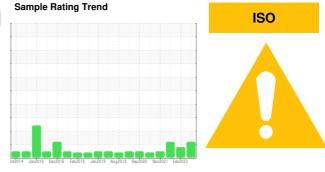
Customer Id: OSIOAK Sample No.: USP246272 Lab Number: 05931566 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com



### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### **HISTORICAL DIAGNOSIS**

### 13 Feb 2023 Diag: Doug Bogart



Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 6 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### 11 Jul 2022 Diag: Doug Bogart

Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

28 Nov 2021 Diag: Doug Bogart



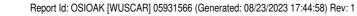
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





view report







# **OIL ANALYSIS REPORT**

## COMPRESSOR ROOM C-1 (S/N 2270FR) Componen

**Refrigeration Compressor** Fluid

FRICK COMPRESSOR OIL #11 (--- GAL)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

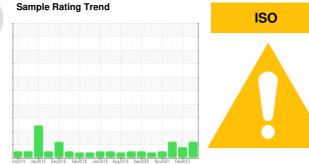
All component wear rates are normal.

### 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.



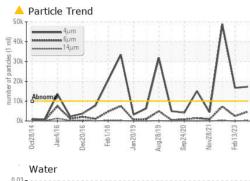
Sample Date     Client Info     21 Aug 2023     13 Feb 2023     11 Jul 2022       Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     0     0     0       Sample Status     Client Info     N/A     N/A     N/A     ATTENTION     ATTENTION       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >8     0     0     0       Nickel     ppm     ASTM 05185m     >2     0     0     0       Muminum     ppm     ASTM 05185m     >2     0     0     0       Autominum     ppm     ASTM 05185m     >2     0     0     0       Cadmium     ppm     ASTM 05185m     >4     1     0     <1     0       Autominum     ppm     ASTM 05185m     0     0     0     0     0       Cadadium     ppm     ASTM 05185m     0     0     0	SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2	
Machine Age     hrs     Client Info     0     0     0     0       Oil Ago     hrs     Client Info     NA     NA     NA       Sample Status     Client Info     NA     NTENTION     ATTENTION     ABNORMAI       WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >8     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0       Itanium     ppm     ASTM D5185m     >2     0     0     0       Copper     ppm     ASTM D5185m     >2     0     0     0       Vandium     ppm     ASTM D5185m     >2     0     0     0       Vandium     ppm     ASTM D5185m     2     0     0     0       Antimony     ppm     ASTM D5185m     0     0     0     0	Sample Number		Client Info		USP246272	USP240560	USP238139	
Oil Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Imitbase     Current     history1     ATTENTION     ATTENTION       Veran     ppm     ASTM D5185m     >8     0     0     0       Chromium     ppm     ASTM D5185m     >2     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >2     0     0     -1       Aluminum     ppm     ASTM D5185m     >2     0     0     -1       Lead     ppm     ASTM D5185m     >2     0     0     -1       Antimony     ppm     ASTM D5185m     >4     1     0     -1       Antimony     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0	Sample Date		Client Info		21 Aug 2023	13 Feb 2023	11 Jul 2022	
Oil Changed     Client Into     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history1     ABNORMAI       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >8     0     0     0       Chromium     ppm     ASTM D5185m     2     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Bitory     ppm     ASTM D5185m     >2     0     0     0     0       Lead     ppm     ASTM D5185m     >2     0     0     0     1       Attimony     ppm     ASTM D5185m     2     0     0     0     0       Attimony     ppm     ASTM D5185m     0     0     0     0     0       Attimony     ppm     ASTM D5185m     0     0     0     0       Attimony     ppm     ASTM D5185m	Machine Age	hrs	Client Info		0	0	0	
Oli Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Image of the status     Image of the status     Image of the status     ATTENTION     ATTENTION     ATTENTION     ABNORMAI       WEAR METALS     method     limit/base     current     history1     Mistory2       Iron     ppm     ASTM D5185m     >2     0     0     0       Chromium     ppm     ASTM D5185m     >2     0     0     0       Aluminum     ppm     ASTM D5185m     >2     0     0     0     1       Aluminum     ppm     ASTM D5185m     >2     0     0     0     1     1       Lead     ppm     ASTM D5185m     >2     0     0     0     1     1     1     0     1     1     1     0     1     1     1     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0     0	Oil Age	hrs	Client Info		0	0	0	
Sample Status     Image     ATTENTION     ATTENTION     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >8     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Nickel     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     -1       Lead     ppm     ASTM D5185m     >2     0     0     -1       Copper     ppm     ASTM D5185m     >2     0     0     -1       Tin     ppm     ASTM D5185m     2     0     0     0     -1       Copper     ppm     ASTM D5185m     2     0	-		Client Info		N/A	N/A	N/A	
Iron     ppm     ASTM D5185m     >8     0     0     0       Chromium     ppm     ASTM D5185m     >2     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1	-				ATTENTION	ATTENTION	ABNORMAL	
Chromium     ppm     ASTM D5185m     >2     0     0     0       Nickel     ppm     ASTM D5185m     0     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     0     0       Aluminum     ppm     ASTM D5185m     >2     0     0     0     0       Lead     ppm     ASTM D5185m     >2     0     0     0     0       Copper     ppm     ASTM D5185m     >2     0     0     0     0       Antimony     ppm     ASTM D5185m     >4     <1	WEAR METALS		method	limit/base	current	history1	history2	
Nickel     ppm     ASTM D5185m     0     0     0       Titanium     ppm     ASTM D5185m     >2     0     0     <1	Iron	ppm	ASTM D5185m	>8	0	0	0	
Titanium     ppm     ASTM D5185m     >2     0     0     0       Silver     ppm     ASTM D5185m     >2     0     0     <1	Chromium	ppm	ASTM D5185m	>2	0	0	0	
Silver     ppm     ASTM D5185m     >2     0     0     <1       Aluminum     ppm     ASTM D5185m     >3     0     0     <1	Nickel	ppm	ASTM D5185m		0	0	0	
Aluminum     ppm     ASTM D5185m     >3     0     0     <1       Lead     ppm     ASTM D5185m     >2     0     0     0       Copper     ppm     ASTM D5185m     >8     <1	Titanium	ppm	ASTM D5185m		0	0	0	
Lead     ppm     ASTM D5185m     >2     0     0     0       Copper     ppm     ASTM D5185m     >8     <1	Silver	ppm	ASTM D5185m	>2	0	0	<1	
Lead     ppm     ASTM D5185m     >2     0     0     0       Copper     ppm     ASTM D5185m     >8     <1	Aluminum		ASTM D5185m	>3	0	0	<1	
Copper     ppm     ASTM D5185m     >8     <1     0     <1       Tin     ppm     ASTM D5185m     >4     <1	Lead			>2	0	0		
Tin     ppm     ASTM D5185m     >4     <1     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       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Malganese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     <1					-			
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       Magnese     ppm     ASTM D5185m     0     0     0     0       Magnese     ppm     ASTM D5185m     < <td>&lt;1</td> 0     0     0       Magnesium     ppm     ASTM D5185m     <1	<1							
Vanadium     ppm     ASTM D5185m     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       Boron     ppm     ASTM D5185m     0     0     0     0       Boron     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     <1     0     0     0       Calcium     ppm     ASTM D5185m     <1     0     0     0       Sulfur     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     22     2     3     0								
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     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0       Manganese     ppm     ASTM D5185m     <1     0     0     0       Magnesium     ppm     ASTM D5185m     <1     0     0     0       Calcium     ppm     ASTM D5185m     <1     0     0     0       Calcium     ppm     ASTM D5185m     <1     0     0     0       Sulfur     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     7     0     17       CONTAMINANTS     method     limit/base     current     history1     history2	•							
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     <1					-			
Boron     ppm     ASTM D5185m     0     0     0       Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0       Manganese     ppm     ASTM D5185m     <1		ppiii				-	-	
Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     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	ASTM D5185m		0	0	0	
Manganese   ppm   ASTM D5185m   <1   0   0     Magnesium   ppm   ASTM D5185m   <1   0   0     Calcium   ppm   ASTM D5185m   <1   0   0     Phosphorus   ppm   ASTM D5185m   0   0   0     Zinc   ppm   ASTM D5185m   0   0   0     Sulfur   ppm   ASTM D5185m   0   0   0     Sulfur   ppm   ASTM D5185m   7   0   17     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   2   3     Sodium   ppm   ASTM D5185m   >20   0   0   0     Potassium   ppm   ASTM D6304   >0.01   0.001   0.001   0.004     ppm Water   ppm   ASTM D6304   >100   4.9   2.6   47.6     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647 </td <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>0</td> <td>0</td> <td>0</td>	Barium	ppm	ASTM D5185m		0	0	0	
Magnesium     ppm     ASTM D5185m     <1     <1     0       Calcium     ppm     ASTM D5185m     <1	Molybdenum	ppm	ASTM D5185m		0	0	0	
Calcium     ppm     ASTM D5185m     <1     0     0       Phosphorus     ppm     ASTM D5185m     0     0     0       Zinc     ppm     ASTM D5185m     0     0     0       Sulfur     ppm     ASTM D5185m     7     0     17       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >20     0     0     0       Potassium     ppm     ASTM D5185m     >20     0     0     0.001     0.001     0.004       ppm Water     %     ASTM D6304     >0.01     0.001     0.001     4.8833       Particles >4µm     ASTM D7647     >2500     4695     2467     7300 <td>Manganese</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>&lt;1</td> <td>0</td> <td>0</td>	Manganese	ppm	ASTM D5185m		<1	0	0	
Phosphorus     ppm     ASTM D5185m     0     0     0       Zinc     ppm     ASTM D5185m     0     0     0     0       Sulfur     ppm     ASTM D5185m     7     0     17       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >10     0     0     0       Potassium     ppm     ASTM D5185m     >20     0     0     <1     0       Water     %     ASTM D5185m     >20     0     0.001     0.001     0.004       ppm     ASTM D5185m     >20     0     0     <1     0     0       Water     %     ASTM D5044     >0.01     0.001     0.001     0.004       particles >4µm     ASTM D7647     >200     4695	Magnesium	ppm	ASTM D5185m		<1	<1	0	
Zinc     ppm     ASTM D5185m     0     0     0       Sulfur     ppm     ASTM D5185m     7     0     17       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >20     0     0     <1	Calcium	ppm	ASTM D5185m		<1	0	0	
Sulfur     ppm     ASTM D5185m     7     0     17       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >20     0     0     4       Potassium     ppm     ASTM D5185m     >20     0     0     <1       Water     %     ASTM D5185m     >20     0     0     <1       Potassium     ppm     ASTM D5185m     >20     0     0     <1       Water     %     ASTM D5185m     >20     0     0     0.001     0.001     0.001     0.004       ppm Water     ppm     ASTM D6304     >100     4.9     2.6     47.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647	Phosphorus	ppm	ASTM D5185m		0	0	0	
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >15     2     2     3       Sodium     ppm     ASTM D5185m     >20     0     0     <1	Zinc	ppm	ASTM D5185m		0	0	0	
Silicon   ppm   ASTM D5185m   >15   2   2   3     Sodium   ppm   ASTM D5185m   1   0   0     Potassium   ppm   ASTM D5185m   >20   0   0   <1     Water   %   ASTM D6304   >0.01   0.001   0.001   0.004     ppm Water   ppm   ASTM D6304   >100   4.9   2.6   47.6     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >10000   17252   16718   48833     Particles >6µm   ASTM D7647   >2500   4695   2467   7300     Particles >14µm   ASTM D7647   >320   197   26   217     Particles >21µm   ASTM D7647   >80   32   4   25     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15 <td>Sulfur</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>7</td> <td>0</td> <td>17</td>	Sulfur	ppm	ASTM D5185m		7	0	17	
Sodium     ppm     ASTM D5185m     1     0     0       Potassium     ppm     ASTM D5185m<>20     0     0     <1	CONTAMINANTS		method	limit/base	current	history1	history2	
Potassium   ppm   ASTM D5185m   >20   0   0   <1     Water   %   ASTM D6304   >0.01   0.001   0.001   0.004     ppm Water   ppm   ASTM D6304   >100   4.9   2.6   47.6     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >10000   17252   16718   48833     Particles >6µm   ASTM D7647   >2500   4695   2467   7300     Particles >6µm   ASTM D7647   >320   197   26   217     Particles >14µm   ASTM D7647   >80   32   4   25     Particles >21µm   ASTM D7647   >20   0   1     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Silicon	ppm	ASTM D5185m	>15	2	2	3	
Water   %   ASTM D6304   >0.01   0.001   0.001   0.004     ppm Water   ppm   ASTM D6304   >100   4.9   2.6   47.6     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >10000   ▲   17252   ▲   16718   ▲   48833     Particles >6µm   ASTM D7647   >2500   ▲   4695   2467   ▲   7300     Particles >6µm   ASTM D7647   >320   197   26   217     Particles >14µm   ASTM D7647   >80   32   4   25     Particles >21µm   ASTM D7647   >20   0   0   1     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Sodium	ppm	ASTM D5185m		1	0	0	
Water     %     ASTM D6304     >0.01     0.001     0.001     0.004       ppm Water     ppm     ASTM D6304     >100     4.9     2.6     47.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >10000     17252     16718     48833       Particles >6µm     ASTM D7647     >2500     4695     2467     7300       Particles >6µm     ASTM D7647     >320     197     26     217       Particles >21µm     ASTM D7647     >80     32     4     25       Particles >38µm     ASTM D7647     >20     0     0     1       Particles >71µm     ASTM D7647     >4     0     0     0     0       Oli Cleanliness     ISO 4406 (c)     >20/18/15     21/19/15     21/18/12     23/20/15	Potassium		ASTM D5185m	>20	0	0	<1	
ppm Water     ppm     ASTM D6304     >100     4.9     2.6     47.6       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >10000     17252     16718     48833       Particles >6µm     ASTM D7647     >2500     4695     2467     7300       Particles >6µm     ASTM D7647     >320     197     26     217       Particles >14µm     ASTM D7647     >80     32     4     25       Particles >21µm     ASTM D7647     >20     0     1       Particles >38µm     ASTM D7647     >20     0     1       Particles >71µm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     21/19/15     21/18/12     23/20/15       FLUID DEGRADATION     method     limit/base     current     history1     history2	Water		ASTM D6304	>0.01	0.001	0.001	0.004	
Particles >4µm   ASTM D7647   >10000   ▲ 17252   ▲ 16718   ▲ 48833     Particles >6µm   ASTM D7647   >2500   ▲ 4695   2467   ▲ 7300     Particles >14µm   ASTM D7647   >320   197   26   217     Particles >21µm   ASTM D7647   >80   32   4   25     Particles >21µm   ASTM D7647   >20   0   0   1     Particles >38µm   ASTM D7647   >20   0   0   0     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15								
Particles >6µm   ASTM D7647   >2500   ▲ 4695   2467   ▲ 7300     Particles >14µm   ASTM D7647   >320   197   26   217     Particles >21µm   ASTM D7647   >80   32   4   25     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >38µm   ASTM D7647   >20   0   0   0     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2	
Particles >14µm   ASTM D7647   >320   197   26   217     Particles >21µm   ASTM D7647   >80   32   4   25     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2	Particles >4µm		ASTM D7647	>10000	<b>17252</b>	▲ 16718	48833	
Particles >14µm   ASTM D7647   >320   197   26   217     Particles >21µm   ASTM D7647   >80   32   4   25     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >38µm   ASTM D7647   >20   0   0   1     Particles >71µm   ASTM D7647   >4   0   0   0     Oil Cleanliness   ISO 4406 (c)   >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2			ASTM D7647	>2500	<b>4695</b>	2467	▲ 7300	
Particles >21μm     ASTM D7647     >80     32     4     25       Particles >38μm     ASTM D7647     >20     0     0     1       Particles >38μm     ASTM D7647     >20     0     0     1       Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     21/19/15     21/18/12     23/20/15       FLUID DEGRADATION     method     limit/base     current     history1     history2								
Particles >38μm     ASTM D7647     >20     0     0     1       Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     21/19/15     21/18/12     23/20/15       FLUID DEGRADATION     method     limit/base     current     history1     history2							25	
Particles >71μm     ASTM D7647     >4     0     0     0       Oil Cleanliness     ISO 4406 (c)     >20/18/15     ▲ 21/19/15     ▲ 21/18/12     ▲ 23/20/15       FLUID DEGRADATION     method     limit/base     current     history1     history2								
Oil Cleanliness   ISO 4406 (c) >20/18/15   21/19/15   21/18/12   23/20/15     FLUID DEGRADATION   method   limit/base   current   history1   history2								
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2	

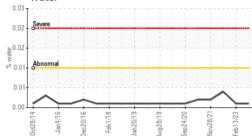
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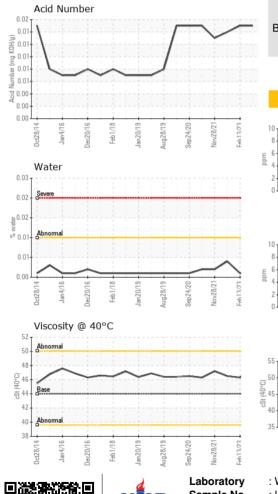
Contact/Location: ? ? - OSIOAK



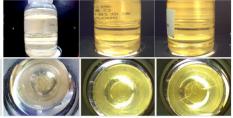
# **OIL ANALYSIS REPORT**



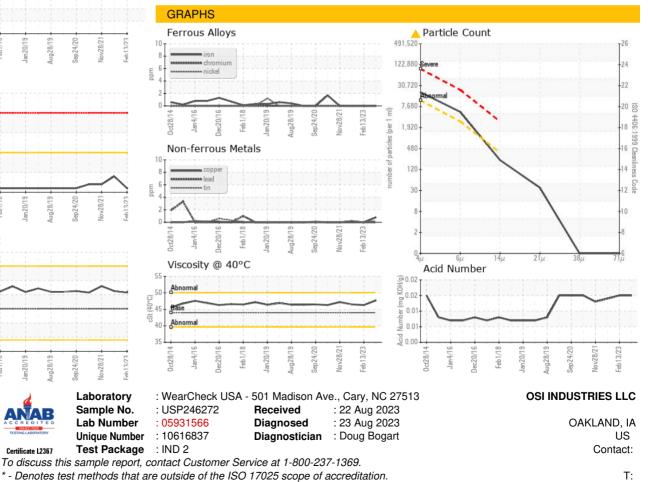




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.01	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	44.0	47.7	46.3	46.5
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color					WINE CFE WC ID: 281	



Bottom



\* - 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)

Certificate L2367

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Contact/Location: ? ? - OSIOAK

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