

# **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

#### Machine Id

FAB-CV 3-PUMP 2 (S/N U205300288) Pump

USPI VAC 100 (--- GAL)

## DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

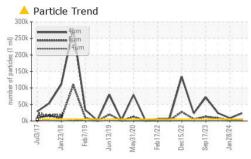
#### **Fluid Condition**

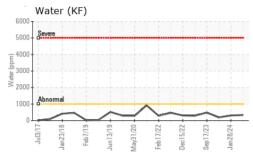
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

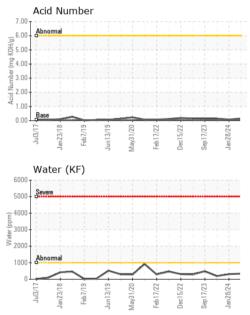
Sample Number     Client Info     USPM36803     USPM31688       Sample Date     Client Info     23 Apr 2024     28 Japr 2024     28 Dac 2023       Machine Age     hrs     Client Info     0     0     0       Oil Ghanged     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A       WEAR METALS     method     imitbase     current     history1     history1       Iron     ppm     ASTM 05158     >50     0     0     0       Nickel     ppm     ASTM 05158     >50     0     0     0       Titanium     ppm     ASTM 05158     >30     0     0     0       Cadmium     ppm     ASTM 05158     >12     0     0     0     0       Cadmium     ppm     ASTM 05158     >12     0     0     0     0     0       Cadmium     pm     ASTM 05158     >12     0     0     0     0     0     0	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     N/A     N/A     N/A       Sample Status     Imethod     Imutbase     current     history1     history2       Iron     ppm     ASTM 05185m     >90     3     3     6       Chromium     ppm     ASTM 05185m     >5     0     0     0       Nickel     ppm     ASTM 05185m     >3     0     -11     0       Silver     ppm     ASTM 05185m     >3     0     0     0       Cadmium     ppm     ASTM 05185m     >12     0     0     0       Cadmium     ppm     ASTM 05185m     >9     0     0     0     0       ASTM 05185m     >9     0     0     0     0     0     0       Cadmium     ppm     ASTM 05185m     0     0     0     0     0     0       Manganese     ppm     ASTM 05185m     0     2	Sample Number		Client Info		USPM36803	USP0005331	USPM31688
Oil Age     hrs     Client Info     0     0     0       Oil Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >55     0     0     0       Silver     ppm     ASTM D5185m     >55     0     0     0       Silver     ppm     ASTM D5185m     >5     0     0     0       Copper     ppm     ASTM D5185m     >12     0     0     0       Tin     ppm     ASTM D5185m     >12     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       Cadmium	Sample Date		Client Info		23 Apr 2024	28 Jan 2024	28 Dec 2023
Oil Changed     Client Indo     N/A     N/A     N/A     N/A     ATTENTION     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >50     3     3     6       Chromium     ppm     ASTM D5185m     >50     0     0     0       Nickel     ppm     ASTM D5185m     >5     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Lead     ppm     ASTM D5185m     >12     0     0     0       Cadmium     ppm     ASTM D5185m     >3     0     0     0     0       Cadmium     ppm     ASTM D5185m     >9     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     2     0     0       Boron     ppm     <	Machine Age	hrs	Client Info		0	0	0
Sample Status     method     Imit/base     current     history1     ABNORMAL       WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >55     0     0     0       Nickel     ppm     ASTM D5185m     >55     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM 05185m     >50     3     3     6       Chromium     ppm     ASTM 05185m     >55     0     0     0       Nickel     ppm     ASTM 05185m     >55     0     0     0       Silver     ppm     ASTM 05185m     >3     0     0     0       Aluminum     ppm     ASTM 05185m     >12     0     0     0       Copper     ppm     ASTM 05185m     >30     0     0     0     0       Vanadium     ppm     ASTM 05185m     >0     0     0     0     0       ASTM 05185m     0     0     0     0     0     0     0       ASTM 05185m     0     0     0     0     0     0     0       ASTM 05185m     0     0     0     0     0     0     0       Manganese     ppm     ASTM 05185m	Oil Changed		Client Info		N/A	N/A	N/A
ron     ppm     ASTM D5185m     >90     3     3     6       Chromium     ppm     ASTM D5185m     >5     0     0     0       Nickel     ppm     ASTM D5185m     >3     0     <1	Sample Status				ABNORMAL	ATTENTION	ABNORMAL
Chromium     ppm     ASTM D5185m     >5     0     0     0       Nickel     ppm     ASTM D5185m     >5     0     <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     >5     0     0     0       Titanium     ppm     ASTM D5185m     >3     0     <1	Iron	ppm	ASTM D5185m	>90	3	3	6
Titanium     ppm     ASTM D5185m     >3     0     <1     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >7     0     0     <1	Chromium	ppm	ASTM D5185m	>5	0	0	0
Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >7     0     0     <1	Nickel	ppm	ASTM D5185m	>5	0	0	0
Aluminum     ppm     ASTM D5185m     >7     0     0     <1       Lead     ppm     ASTM D5185m     >12     0     0     0       Copper     ppm     ASTM D5185m     >30     0     <1	Titanium	ppm	ASTM D5185m	>3	0	<1	0
Lead     ppm     ASTM D5185m     >12     0     0     0       Copper     ppm     ASTM D5185m     >30     0     <1	Silver	ppm	ASTM D5185m	>3	0	0	0
Copper     ppm     ASTM D5185m     >30     0     <1     0       Tin     ppm     ASTM D5185m     >9     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       Magnese     ppm     ASTM D5185m     0     0     0     0       Magnese     ppm     ASTM D5185m     0     -1     0     0       Calcium     ppm     ASTM D5185m     0     -1     0     0       Phosphorus     ppm     ASTM D5185m     1800     631     643     620       Zinc     ppm     ASTM D5185m     1800     631     643     620       Silion     ppm     ASTM D5185m     60     11     7	Aluminum	ppm	ASTM D5185m	>7	0	0	<1
Copper     ppm     ASTM D5185m     >30     0     <1     0       Tin     ppm     ASTM D5185m     >9     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       Magnese     ppm     ASTM D5185m     0     0     0     0       Magnesium     ppm     ASTM D5185m     0     <1	Lead		ASTM D5185m	>12	0	0	0
Tin     ppm     ASTM D5185m     >9     0     0     0       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       Barium     ppm     ASTM D5185m     0     0     0     0       Maganese     ppm     ASTM D5185m     0     0     0     -11       Magnesium     ppm     ASTM D5185m     0     2     0     0       Calcium     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0       Sulfur     ppm     ASTM D5185m     >60     11     7     9       Sodium	Copper		ASTM D5185m	>30	0	<1	0
Vanadium     ppm     ASTM D5185m     0     0     0     0       Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     <1	••				0		
Cadmium     ppm     ASTM D5185m     0     0     0     0       ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     -<1	Vanadium		ASTM D5185m		0	0	0
Boron     ppm     ASTM D5185m     0     0     0     0       Barium     ppm     ASTM D5185m     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0     0       Manganese     ppm     ASTM D5185m     0     <1     0     0     <1       Magnesium     ppm     ASTM D5185m     0     <1     0     0     <1       Magnesium     ppm     ASTM D5185m     0     2     0     0     2       Calcium     ppm     ASTM D5185m     0     2     0     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0     0       Sodium     ppm     ASTM D5185m     0     11     7     9     3       Sodium     ppm     ASTM D5185m     >0     11     7     9     3       Sodium     ppm     ASTM D5185m     >20     0     0     2	Cadmium		ASTM D5185m		0	0	0
Barium     ppm     ASTM D5185m     0     0     0     0     0     0       Molybdenum     ppm     ASTM D5185m     0     0     0     0     0       Maganese     ppm     ASTM D5185m     0     <1     0     0       Magnesium     ppm     ASTM D5185m     0     <1     0     0       Calcium     ppm     ASTM D5185m     0     2     0     0       Calcium     ppm     ASTM D5185m     1800     631     643     620       Zinc     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0     0       Sodium     ppm     ASTM D5185m     >60     11     7     9     9       Sodium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D5185m     >20     0     0.030     0.019       ppm Water     ppm <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     0     0     0     0     0       Manganese     ppm     ASTM D5185m     0     <1     0     0       Magnesium     ppm     ASTM D5185m     0     <1     0     0       Calcium     ppm     ASTM D5185m     0     2     0     0       Calcium     ppm     ASTM D5185m     0     2     0     0       Phosphorus     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0     0       Solicon     ppm     ASTM D5185m     0     40     0     3       Solicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >20     0     0     23       Potassium     ppm     ASTM D6304     >.1     0.033     0.030     0.019       ppm     ASTM D6404     >1000     338	Boron	ppm	ASTM D5185m	0			
Manganese     ppm     ASTM D5185m     0     <1     0     <1       Magnesium     ppm     ASTM D5185m     0     <1	Barium	ppm	ASTM D5185m	0	0	0	0
Magnesium     ppm     ASTM D5185m     0     <1     0     0       Calcium     ppm     ASTM D5185m     0     2     0     0       Phosphorus     ppm     ASTM D5185m     1800     631     643     620       Zinc     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D7647     >5000     23083     8561     24151       Particles >4µm     ASTM D7647     >1300     4246	Molybdenum	ppm	ASTM D5185m	0	0	0	0
Calcium   ppm   ASTM D5185m   0   2   0   0     Phosphorus   ppm   ASTM D5185m   1800   631   643   620     Zinc   ppm   ASTM D5185m   0   2   0   0     Sulfur   ppm   ASTM D5185m   0   40   0   0     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >60   11   7   9     Sodium   ppm   ASTM D5185m   >60   11   7   9     Sodium   ppm   ASTM D5185m   >20   0   0   2     Water   %   ASTM D5185m   >20   0   0.033   0.030   0.019     ppm   ASTM D5185m   >20   0   338   308   191     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   23083   8561   24151     Particles >4µm   ASTM D7647   >1300	Manganese	ppm	ASTM D5185m		0	0	<1
Phosphorus     ppm     ASTM D5185m     1800     631     643     620       Zinc     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D5185m     >20     0     0.030     0.019       ppm Water     ppm     ASTM D504     >.1     0.033     0.030     0.019       particles >4µm     ASTM D7647     >5000     23083     8561     24151       Particles >6µm     ASTM D7647     >1300     42466     1980     8974       Particles >14µm     ASTM D7647     160     213     94	Magnesium	ppm	ASTM D5185m	0	<1	0	0
Zinc     ppm     ASTM D5185m     0     2     0     0       Sulfur     ppm     ASTM D5185m     0     40     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     0     0     2       Vater     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >.1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     423083     8561     24151       Particles >14µm     ASTM D7647     >1300     4246     1980     8974       Particles >21µm     ASTM D7647     >10     2     1	Calcium	ppm	ASTM D5185m	0	2	0	0
Sulfur     ppm     ASTM D5185m     0     40     0     0       CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     11     0.033     0.030     0.019       Potassium     ppm     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D7647     >5000     23083     8561     24151       Particles >4µm     ASTM D7647     >1300     42466     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >21µm     ASTM D7647     >30	Phosphorus	ppm	ASTM D5185m	1800	631	643	620
CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >.1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     23083     8561     24151       Particles >6µm     ASTM D7647     >1300     4246     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >38µm     ASTM D7647     >40     444	Zinc	ppm	ASTM D5185m	0	2	0	0
Silicon     ppm     ASTM D5185m     >60     11     7     9       Sodium     ppm     ASTM D5185m     <1	Sulfur	ppm	ASTM D5185m	0	40	0	0
Sodium     ppm     ASTM D5185m     <1     0     3       Potassium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     4     23083     8561     4     24151       Particles >6µm     ASTM D7647     >1300     4     4246     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >21µm     ASTM D7647     >10     2     1     5       Particles >38µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     curren	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium     ppm     ASTM D5185m     >20     0     0     2       Water     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm     Water     ppm     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     4 23083     8561     24151       Particles >6µm     ASTM D7647     >1300     4 4246     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >21µm     ASTM D7647     >10     2     1     5       Particles >38µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current </td <td>Silicon</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;60</td> <th>11</th> <td>7</td> <td>9</td>	Silicon	ppm	ASTM D5185m	>60	11	7	9
Water     %     ASTM D6304     >.1     0.033     0.030     0.019       ppm Water     ppm     ASTM D6304     >1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     4     23083     8561     4     24151       Particles >6µm     ASTM D7647     >1300     4     4246     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >21µm     ASTM D7647     >10     2     1     5       Particles >38µm     ASTM D7647     >3     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2	Sodium	ppm	ASTM D5185m		<1	0	3
ppm Water     ppm     ASTM D6304     >1000     338     308     191       FLUID CLEANLINESS     method     limit/base     current     history1     history2       Particles >4µm     ASTM D7647     >5000     23083     8561     24151       Particles >6µm     ASTM D7647     >1300     4246     1980     8974       Particles >14µm     ASTM D7647     >160     213     94     780       Particles >21µm     ASTM D7647     >40     44     20     190       Particles >38µm     ASTM D7647     >30     0     0     0       Particles >71µm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2	Potassium	ppm	ASTM D5185m	>20	0	0	2
FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   ▲ 23083   8561   ▲ 24151     Particles >6µm   ASTM D7647   >1300   ▲ 4246   1980   ▲ 8974     Particles >6µm   ASTM D7647   >160   ▲ 213   94   ▲ 780     Particles >14µm   ASTM D7647   >40   ▲ 44   20   ▲ 190     Particles >21µm   ASTM D7647   >40   ▲ 44   20   ▲ 190     Particles >38µm   ASTM D7647   >10   2   1   5     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   22/19/15   20/18/14   22/20/17     FLUID DEGRADATION   method   limit/base   current   history1   history2	Water	%	ASTM D6304	>.1	0.033	0.030	0.019
Particles >4μm   ASTM D7647   >5000   23083   8561   24151     Particles >6μm   ASTM D7647   >1300   4246   1980   8974     Particles >14μm   ASTM D7647   >160   213   94   780     Particles >21μm   ASTM D7647   >40   44   20   190     Particles >21μm   ASTM D7647   >10   2   1   5     Particles >38μm   ASTM D7647   >3   0   0   0     Particles >71μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   22/19/15   20/18/14   22/20/17     FLUID DEGRADATION   method   limit/base   current   history1   history2	ppm Water	ppm	ASTM D6304	>1000	338	308	191
Particles >6µm   ASTM D7647   >1300   ▲ 4246   1980   ▲ 8974     Particles >14µm   ASTM D7647   >160   ▲ 213   94   ▲ 780     Particles >21µm   ASTM D7647   >40   ▲ 44   20   ▲ 190     Particles >38µm   ASTM D7647   >10   2   1   5     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   22/19/15   20/18/14   22/20/17     FLUID DEGRADATION   method   limit/base   current   history1   history2	FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >14µm   ASTM D7647   >160   ▲ 213   94   ▲ 780     Particles >21µm   ASTM D7647   >40   ▲ 44   20   ▲ 190     Particles >38µm   ASTM D7647   >10   2   1   5     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   ▲ 22/19/15   ≥0/18/14   ▲ 22/20/17     FLUID DEGRADATION   method   limit/base   current   history1   history2	•					-	
Particles >21μm     ASTM D7647     >40     44     20     190       Particles >38μm     ASTM D7647     >10     2     1     5       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D7647	>1300	<u> </u>	1980	<u> </u>
Particles >38μm     ASTM D7647     >10     2     1     5       Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2							
Particles >71μm     ASTM D7647     >3     0     0     0       Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2			ASTM D7647				
Oil Cleanliness     ISO 4406 (c)     >19/17/14     22/19/15     20/18/14     22/20/17       FLUID DEGRADATION     method     limit/base     current     history1     history2						1	
FLUID DEGRADATION method limit/base current history1 history2			ASTM D7647	>3	0		0
	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>A</b> 22/19/15	0/18/14	▲ 22/20/17
Acid Number (AN) mg KOH/g ASTM D8045 0.05 0.15 0.08 0.14	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.15	0.08	0.14

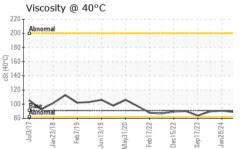


# **OIL ANALYSIS REPORT**









VISUAL limit/base method NONE White Metal \*Visual scalar Yellow Metal \*Visual NONE scalar Precipitate NONE scalar \*Visual Silt scalar \*Visual NONE Debris \*Visual scalar NONE S

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	>.1	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	91	88.9	90.6	89.5
SAMPLE IMAGES	SAMPLE IMAGES		limit/base	current	history1	history2

current

NONE

NONE

NONE

NONE

NONE

Color



history1

NONE

NONE

NONE

NONE

NONE

history2

NONE

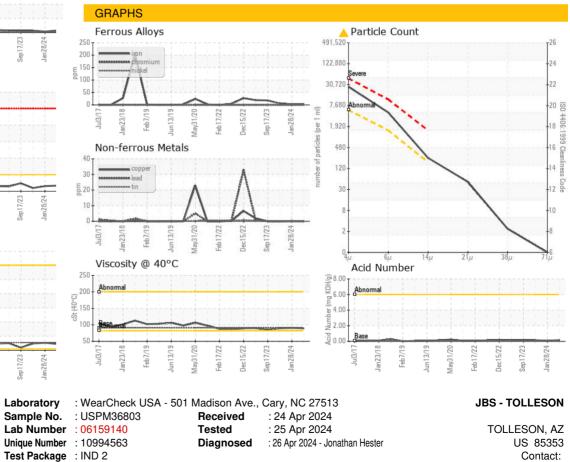
NONE

NONE

NONE

NONE

Bottom



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)

Report Id: JBSTOL [WUSCAR] 06159140 (Generated: 04/26/2024 08:27:09) Rev: 1

Certificate 12367

Contact/Location: ? ? - JBSTOL

Т:

F: