

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend





USPI FG HYD 46 (--- GAL)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

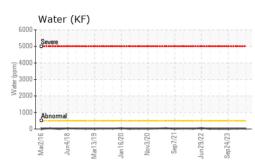
### Fluid Condition

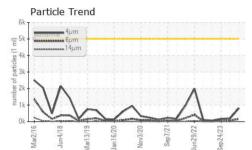
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

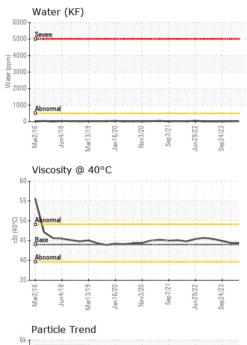
| Machine Age   hrs   Client Info   0   0   0     Oil Age   hrs   Client Info   0   0   0     Oil Age   Client Info   N/A   N/A   N/A     Sample Status   Imit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   <1   0   <1     Tranium   ppm   ASTM D5185m   >20   <1   0   0     Nickel   ppm   ASTM D5185m   >20   <1   0   0     Silver   ppm   ASTM D5185m   >20   <1   0   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0   0     ASTM D5185m   >20   <1   <1   0   0   0     Cadmium   ppm   ASTM D5185m   <1   0   0   0     ASTM D5185m   <1 <th>SAMPLE INFORM</th> <th>NATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>   | SAMPLE INFORM    | NATION   | method          | limit/base | current     | history1    | history2    |
|---|------------------|----------|-----------------|------------|-------------|-------------|-------------|
| Machine Age   hrs   Client Info   0   0   0     Oil Age   hrs   Client Info   0   0   0     Oil Age   Client Info   N/A   N/A   N/A     Sample Status   Imit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   <1   0   <1     Tranium   ppm   ASTM D5185m   >20   <1   0   0     Nickel   ppm   ASTM D5185m   >20   <1   0   0     Silver   ppm   ASTM D5185m   >20   <1   0   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0   0     ASTM D5185m   >20   <1   <1   0   0   0     Cadmium   ppm   ASTM D5185m   <1   0   0   0     ASTM D5185m   <1 <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>USPM36663</th> <th>USPM30517</th> <th>USPM29727</th>  | Sample Number    |          | Client Info     |            | USPM36663   | USPM30517   | USPM29727   |
| 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   >20   <1   0   <1     Chromium   ppm   ASTM D5185m   >20   <1   0   <1     Nickel   ppm   ASTM D5185m   >20   <1   0   <1     Nickel   ppm   ASTM D5185m   >20   <1   0   0   0     Aluminum   ppm   ASTM D5185m   >20   <1   <1   0   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0   0     ASTM D5185m   >20   <1   <1   0   0   0   0     Cadmium   ppm   ASTM D5185m<   | Sample Date      |          | Client Info     |            | 09 Apr 2024 | 04 Jan 2024 | 24 Sep 2023 |
| Oil Changed<br>Sample Status   Client Info   N/A   N/A   N/A   N/A   N/A     WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   <1   0   <1     Chromium   ppm   ASTM D5185m   >20   <1   0   <1     Nickel   ppm   ASTM D5185m   >20   <1   0   <1     Mickel   ppm   ASTM D5185m   >20   <1   0   <1     Aluminum   ppm   ASTM D5185m   >20   <1   <1   0     Lead   ppm   ASTM D5185m   >20   <1   <1   0     Vanadium   ppm   ASTM D5185m   >20   <1   <1   0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     AstM D5185m   <1   0   0   0   0   0     AstM D5185m   <1   0   0   0   | Machine Age      | hrs      | Client Info     |            | 0           | 0           | 0           |
| Sample Status   method   Imit/base   current   NORMAL   NORMAL   NORMAL     WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   <1   0   <1     Chromium   ppm   ASTM D5185m   >20   <1   0   <1     Titanium   ppm   ASTM D5185m   >20   <1   0   0     Aluminum   ppm   ASTM D5185m   >20   <1   0   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0     Cadmium   ppm   ASTM D5185m   <20   <1   <1   0     Adminum   ppm   ASTM D5185m   <1   0   0   0     Copper   ppm   ASTM D5185m   <1   | Oil Age          | hrs      | Client Info     |            | 0           | 0           | 0           |
| WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5165m   >20   <1   0   <1     Chromium   ppm   ASTM D5165m   >20   <1   0   <1     Nickel   ppm   ASTM D5165m   >20   <1   0   0     Silver   ppm   ASTM D5165m   >20   0   1   0   0     Aluminum   ppm   ASTM D5165m   >20   0   1   0   0     Lead   ppm   ASTM D5165m   >20   <1   <1   0   0     Copper   ppm   ASTM D5165m   >20   <1   <1   0   0     Cadmium   ppm   ASTM D5165m   <20   <1   <1   0   0     Anadium   ppm   ASTM D5165m   <1   0   0   0   0     Cadmium   ppm   ASTM D5165m   <1   0   0   0   0   0   | Oil Changed      |          | Client Info     |            | N/A         | N/A         | N/A         |
| WEAR METALS   method   limit/base   current   history1   history2     Iron   ppm   ASTM D5185m   >20   <1   0   <1     Nickel   ppm   ASTM D5185m   >20   <1   0   0     Nickel   ppm   ASTM D5185m   >20   <1   0   0     Silver   ppm   ASTM D5185m   >20   0   1   0   0     Auminum   ppm   ASTM D5185m   >20   <1   <1   0   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0   0     Adadium   ppm   ASTM D5185m   <20   <1   <1   0   0     Cadmium   ppm   ASTM D5185m   <20   <1   <1   0   0     Adagaaese   ppm   ASTM D5185m   <1   0   0   0   3   3 <th>Sample Status</th> <th></th> <th></th> <th></th> <th>NORMAL</th> <th>NORMAL</th> <th>NORMAL</th>  | Sample Status    |          |                 |            | NORMAL      | NORMAL      | NORMAL      |
| Chromium   ppm   ASTM D5185m   >20   <1   | WEAR METALS      |          | method          | limit/base | current     | history1    | history2    |
| Chromium   ppm   ASTM D5185m   >20   <1   | Iron             | maa      | ASTM D5185m     | >20        | <1          | 0           | <1          |
| Nickel   ppm   ASTM D5185m   >20   <1   | Chromium         |          | ASTM D5185m     | >20        |             |             |             |
| Titanium   ppm   ASTM D5185m   <1   |                  |          |                 |            |             |             |             |
| Silver   ppm   ASTM D5185m   0   0   0     Aluminum   ppm   ASTM D5185m   >20   0   1   0     Lead   ppm   ASTM D5185m   >20   <1   0   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0     Vanadium   ppm   ASTM D5185m   >20   <1   <1   0     Vanadium   ppm   ASTM D5185m   <1   0   0   0     Cadmium   ppm   ASTM D5185m   <1   0   0   0     ADDITIVES   method   limit/base   current   history1   history2     Boron   ppm   ASTM D5185m   <1   0   0   0     Magnesium   ppm   ASTM D5185m   <1   0   0   0     Magnesium   ppm   ASTM D5185m   <1   0   0   0     Calcium   ppm   ASTM D5185m   <55   555   564   558   |                  |          |                 | 0          |             |             |             |
| Atuminum   ppm   ASTM D5185m   >20   0   1   0     Lead   ppm   ASTM D5185m   >20   <1   0   0     Copper   ppm   ASTM D5185m   >20   <1   <1   0   0     Vanadium   ppm   ASTM D5185m   >20   <1   <1   0   0     Cadmium   ppm   ASTM D5185m   >20   <1   <1   0   0     Cadmium   ppm   ASTM D5185m   <20   <1   0   0   0     Cadmium   ppm   ASTM D5185m   <1   0   0   0   0     Barium   ppm   ASTM D5185m   <1   0 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>   |                  |          |                 |            |             |             |             |
| Lead   ppm   ASTM D5185m   >20   <1   |                  |          |                 | >20        |             |             |             |
| Copper   ppm   ASTM D5185m   >20   <1   |                  |          |                 |            | -           |             |             |
| Tin   ppm   ASTM D5185m   >20   <1  |                  |          |                 |            |             |             |             |
| Vanadium   ppm   ASTM D5185m   <1   |                  |          |                 |            |             |             |             |
| Cadmium   ppm   ASTM D5185m   <1  |                  |          |                 | >20        |             |             |             |
| 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   <1   0   0   0     Magnesium   ppm   ASTM D5185m   <1   1   0   0     Phosphorus   ppm   ASTM D5185m   <1   1   0   0     Phosphorus   ppm   ASTM D5185m   1   1   0   0     Sulfur   ppm   ASTM D5185m   725   555   564   558     Zince   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >20   <1   1   <1     Sodium   ppm   ASTM D6185m   >20   <1   <  |                  |          |                 |            |             |             |             |
| Boron   ppm   ASTM D5185m   0   0   0   0     Barium   ppm   ASTM D5185m    1   0   0     Molybdenum   ppm   ASTM D5185m   <1   0   0     Marganese   ppm   ASTM D5185m   <1   0   0     Magnesium   ppm   ASTM D5185m   <1   0   0     Calcium   ppm   ASTM D5185m   <1   1   0     Calcium   ppm   ASTM D5185m   725   5555   564   558     Zinc   ppm   ASTM D5185m   725   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Vater   %   ASTM D6304   >0.05   0.002   0.001   1     particles >4µm </th <th>Caulillulli</th> <th>ррпі</th> <th>ASTIVI DUTOJIII</th> <th></th> <th>&lt;1</th> <th>0</th> <th>-</th>   | Caulillulli      | ррпі     | ASTIVI DUTOJIII |            | <1          | 0           | -           |
| Barium   ppm   ASTM D5185m   0   0   0   0     Molybdenum   ppm   ASTM D5185m   <1   0   0     Maganese   ppm   ASTM D5185m   <1   0   0     Magnesium   ppm   ASTM D5185m   <1   <1   0     Calcium   ppm   ASTM D5185m   <1   1   0     Calcium   ppm   ASTM D5185m   <1   1   0     Phosphorus   ppm   ASTM D5185m   725   555   564   558     Zinc   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Vater   %   ASTM D5185m   >20   <1   1   <1     FLUID CLEANLINESS   me  | ADDITIVES        |          |                 | limit/base | current     |             |             |
| Molybdenum   ppm   ASTM D5185m   <1   | Boron            | ppm      |                 |            | -           |             |             |
| Manganese   ppm   ASTM D5185m   <1  | Barium           | ppm      | ASTM D5185m     |            | 0           | 0           | 0           |
| Magnesium   ppm   ASTM D5185m   <1  | Molybdenum       | ppm      | ASTM D5185m     |            | <1          |             | 0           |
| Calcium   ppm   ASTM D5185m   1   1   0     Phosphorus   ppm   ASTM D5185m   725   555   564   558     Zinc   ppm   ASTM D5185m   725   555   564   3     Sulfur   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Water   %   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D7647   >5000   808   194   170     Particles >4µm   ASTM D7647   >1300   163   60 <th>Manganese</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>&lt;1</th> <th>0</th> <th>0</th>   | Manganese        | ppm      | ASTM D5185m     |            | <1          | 0           | 0           |
| Phosphorus   ppm   ASTM D5185m   725   555   564   558     Zinc   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   | Magnesium        | ppm      | ASTM D5185m     |            |             | <1          | 0           |
| Zinc   ppm   ASTM D5185m   4   0   3     Sulfur   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Vater   %   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D7647   >5000   808   194   170     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >1300   163   60   55     Particles >14µm   ASTM D7647   >160   18   6   11   | Calcium          | ppm      | ASTM D5185m     |            | 1           | 1           | 0           |
| Sulfur   ppm   ASTM D5185m   625   539   553   577     CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >20   <1   1   <1     Potassium   ppm   ASTM D5185m   >20   <1   1   <1     Water   %   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D6304   >500   22   24   12.1     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >1300   163   60   55     Particles >1µm   ASTM D7647   >10   1   0   1     Particles >21µm   ASTM D7647   3   0   0 <td< th=""><th>Phosphorus</th><th>ppm</th><th>ASTM D5185m</th><th>725</th><th>555</th><th>564</th><th>558</th></td<> | Phosphorus       | ppm      | ASTM D5185m     | 725        | 555         | 564         | 558         |
| CONTAMINANTS   method   limit/base   current   history1   history2     Silicon   ppm   ASTM D5185m   >15   2   <1   1     Sodium   ppm   ASTM D5185m   >0   0   0   0     Potassium   ppm   ASTM D5185m   >20   <1   1   <1     Water   %   ASTM D5185m   >20   <1   1   <1     Water   %   ASTM D5185m   >20   <1   1   <1     Patter   %   ASTM D5185m   >20   <1   1   <1     Water   %   ASTM D5185m   >20   <1   1   <1     Patter   ppm   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D647   >500   808   194   170     Particles >4µm   ASTM D7647   >1300   163   60   55     Particles >1µm   ASTM D7647   >40   7   2   | Zinc             | ppm      | ASTM D5185m     |            | 4           | 0           | 3           |
| Silicon   ppm   ASTM D5185m   >15   2   <1  | Sulfur           | ppm      | ASTM D5185m     | 625        | 539         | 553         | 577         |
| Sodium   ppm   ASTM D5185m   0   0   0   0     Potassium   ppm   ASTM D5185m<>20   <1   1   <1     Water   %   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D6304   >500   22   24   12.1     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >100   163   60   55     Particles >14µm   ASTM D7647   >160   18   6   11     Particles >21µm   ASTM D7647   >10   1   0   1     Particles >38µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | CONTAMINANTS     |          | method          | limit/base | current     | history1    | history2    |
| Potassium   ppm   ASTM D5185m   >20   <1  | Silicon          | ppm      | ASTM D5185m     | >15        | 2           | <1          | 1           |
| Water   %   ASTM D6304   >0.05   0.002   0.002   0.001     ppm Water   ppm   ASTM D6304   >500   22   24   12.1     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >1300   163   60   55     Particles >6µm   ASTM D7647   >160   18   6   11     Particles >14µm   ASTM D7647   >40   7   2   5     Particles >21µm   ASTM D7647   >10   1   0   1     Particles >38µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | Sodium           | ppm      | ASTM D5185m     |            | 0           | 0           | 0           |
| ppm Water   ppm   ASTM D6304   >500   22   24   12.1     FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >1300   163   60   55     Particles >6µm   ASTM D7647   >160   18   6   11     Particles >14µm   ASTM D7647   >40   7   2   5     Particles >21µm   ASTM D7647   >10   1   0   1     Particles >38µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2   | Potassium        |          | ASTM D5185m     | >20        | <1          | 1           | <1          |
| FLUID CLEANLINESS   method   limit/base   current   history1   history2     Particles >4µm   ASTM D7647   >5000   808   194   170     Particles >6µm   ASTM D7647   >1300   163   60   55     Particles >6µm   ASTM D7647   >160   18   6   11     Particles >14µm   ASTM D7647   >160   18   6   11     Particles >21µm   ASTM D7647   >40   7   2   5     Particles >38µm   ASTM D7647   >10   1   0   1     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | Water            | %        |                 |            | 0.002       | 0.002       | 0.001       |
| Particles >4μm   ASTM D7647   >5000   808   194   170     Particles >6μm   ASTM D7647   >1300   163   60   55     Particles >14μm   ASTM D7647   >160   18   6   11     Particles >21μm   ASTM D7647   >40   7   2   5     Particles >21μm   ASTM D7647   >40   7   2   5     Particles >38μm   ASTM D7647   >10   1   0   1     Particles >71μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | ppm Water        | ppm      | ASTM D6304      | >500       | 22          | 24          | 12.1        |
| Particles >6μm   ASTM D7647   >1300   163   60   55     Particles >14μm   ASTM D7647   >160   18   6   11     Particles >21μm   ASTM D7647   >40   7   2   5     Particles >21μm   ASTM D7647   >40   7   2   5     Particles >38μm   ASTM D7647   >10   1   0   1     Particles >38μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | FLUID CLEANLIN   | IESS     | method          | limit/base | current     | history1    | history2    |
| Particles >14µm ASTM D7647 >160 18 6 11   Particles >21µm ASTM D7647 >40 7 2 5   Particles >38µm ASTM D7647 >10 1 0 1   Particles >38µm ASTM D7647 >30 0 0 0   Particles >71µm ASTM D7647 >3 0 0 0   Oil Cleanliness ISO 4406 (c) >19/17/14 17/15/11 15/13/10 15/13/11   FLUID DEGRADATION method limit/base current history1 history2  | Particles >4µm   |          | ASTM D7647      | >5000      | 808         | 194         | 170         |
| Particles >21µm   ASTM D7647   >40   7   2   5     Particles >38µm   ASTM D7647   >10   1   0   1     Particles >38µm   ASTM D7647   >3   0   0   0     Particles >71µm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2   | Particles >6µm   |          | ASTM D7647      | >1300      | 163         | 60          | 55          |
| Particles >38μm   ASTM D7647   >10   1   0   1     Particles >71μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2  | Particles >14µm  |          | ASTM D7647      | >160       | 18          | 6           | 11          |
| Particles >71μm   ASTM D7647   >3   0   0   0     Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2   | Particles >21µm  |          | ASTM D7647      | >40        | 7           | 2           | 5           |
| Oil Cleanliness   ISO 4406 (c)   >19/17/14   17/15/11   15/13/10   15/13/11     FLUID DEGRADATION   method   limit/base   current   history1   history2   | Particles >38µm  |          | ASTM D7647      | >10        | 1           | 0           | 1           |
| FLUID DEGRADATION method limit/base current history1 history2   | Particles >71µm  |          | ASTM D7647      | >3         | 0           | 0           | 0           |
|   | Oil Cleanliness  |          | ISO 4406 (c)    | >19/17/14  | 17/15/11    | 15/13/10    | 15/13/11    |
| Acid Number (AN)   mg KOH/g   ASTM D8045   0.36   0.35   0.34   0.32  | FLUID DEGRADA    |          | method          | limit/base | current     | history1    | history2    |
|   | Acid Number (AN) | mg KOH/g | ASTM D8045      | 0.36       | 0.35        | 0.34        | 0.32        |

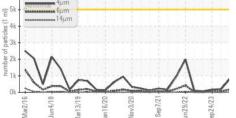


# **OIL ANALYSIS REPORT**





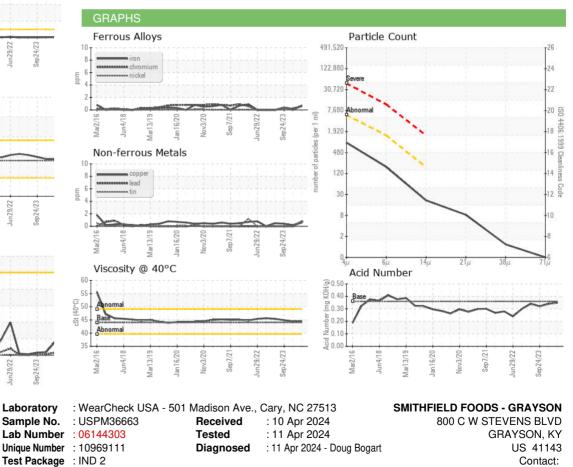




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| VISUAL           |        | method    | limit/base | current | history1 | history2   |
|------------------|--------|-----------|------------|---------|----------|--|
| White Metal      | scalar | *Visual   | NONE       | NONE    | NONE     | NONE   |
| 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    | 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   | >0.05      | 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         | 44.4    | 44.4     | 44.9   |
| SAMPLE IMAGES    | 5      | method    | limit/base | current | history1 | history2   |
| Color            |        |           |            |         | •        | Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hydrau<br>Hy |
|                  |        |           |            |         | (CASA)   |  |

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) T: F:

Certificate 12367

Contact/Location: ? ? - SMIGRAKY

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