

|  |   |  |
|--|---|--|
| <b>Customer Name:</b> J<br><br><b>Address:</b><br><br><br><b>Phone:</b><br><b>Fax:</b> | <b>Tail Number:</b><br><br><b>Aircraft Make:</b> Piper<br><b>Aircraft Model:</b> PA28 140<br><br><b>Serial No:</b><br><br><b>UIN:</b> 06D027F | <b>Comp Serial No:</b> 28-227xx<br><br><b>Comp Name:</b> Single Engine<br><br><b>Comp Make:</b> Lycoming<br><b>Comp Model:</b> O-320 |
|--|---|--|

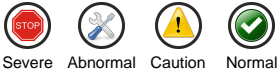
|               |                |
|---------------|----------------|
| Sample No.    | 44150194113    |
| Date Sampled  | 06-Oct-18      |
| Date Tested   | 19-Oct-18      |
| Oil Brand     | Phillips 66    |
| Oil Type      | XC Aviation MV |
| Oil Grade     | SAE 20W50      |
| Oil Hrs       | 25             |
| Oil Added     |                |
| Hrs Since New |                |
| Rebuild Hrs   |                |

**Metals (ppm)**

|                |        |
|----------------|--------|
| Aluminium (Al) | 15     |
| Iron (Fe)      | 109.78 |
| Copper (Cu)    | 3.47   |
| Nickel (Ni)    | 2      |
| Chromium (Cr)  | 14     |
| Silver (Ag)    | <1     |

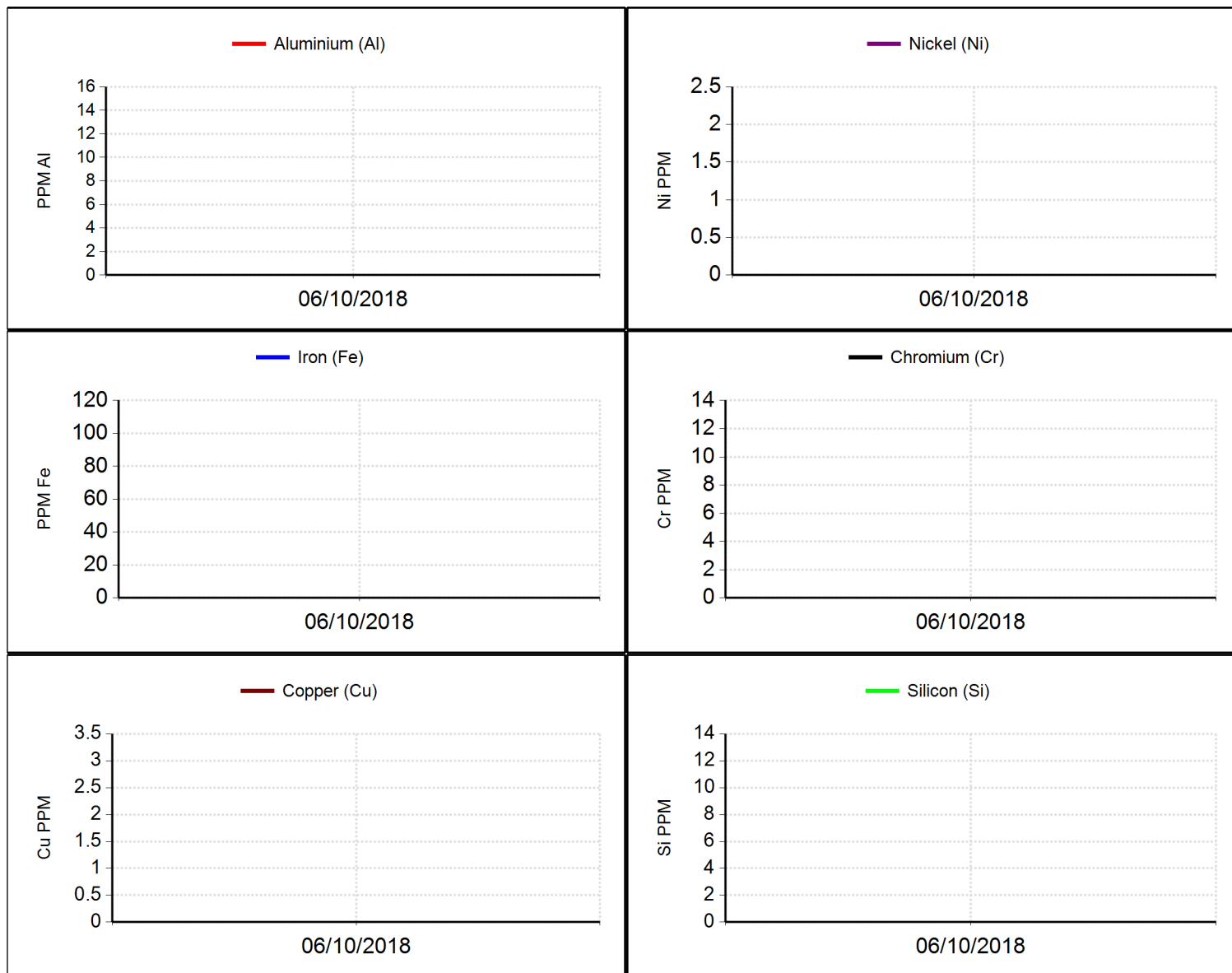
**Contaminants (ppm)**

|              |    |
|--------------|----|
| Silicon (Si) | 14 |
|--------------|----|

**LEGEND**


| <u>Sample No.</u> | <u>Diagnosis/Recommendations</u> |
|-------------------|----------------------------------|
|-------------------|----------------------------------|

|                    |   |
|--------------------|---|
| <b>44150194113</b> | Wear metals appear high for oil time. Check oil filter for chips. Resample next oil change to establish wear trend. |
|--------------------|---|



*Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Laboratory group for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.*

James Moore  
Attn: James Moore  
1146 E Grand Ave  
Arroyo Grande CA 93420  
USA

**TEST  
METHODS:**

|                   |                          |
|-------------------|--------------------------|
| Acid Number:      | ASTM D974/D664           |
| ICP:              | ASTM D5185               |
| Viscosity:        | ASTM D445 / D7279        |
| Water by Crackle: | ASTM E203 Mod / In House |