



# CONSTRUCTION EQUIPMENT

## CAT CATERPILLAR GMS00793 - TRANSMISSION



**Sample No:** VCP439929  
**Oil Type:** NAVIGUARD TO-4 30W  
**Job No:** CAT



### SAMPLE INFORMATION

|               |                    |             |             |     |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | <b>VCP439929</b>   | VCP406796   | VCP365897   | --- |
| Sample Date   | <b>17 Apr 2024</b> | 07 Nov 2023 | 04 May 2023 | --- |
| Machine Hours | <b>9802</b>        | 8774        | 7688        | --- |
| Oil Hours     | <b>1000</b>        | 1000        | 1000        | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | --- |
| Sample Status | <b>NORMAL</b>      | ABNORMAL    | ABNORMAL    | --- |

### PLEASANT RIVER LUMBER

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 DOVER FOXCROFT, ME  
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### OIL CONDITION

|             |     |             |      |      |     |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | <b>83.6</b> | 81.9 | 76.6 | --- |
|-------------|-----|-------------|------|------|-----|



### CONTAMINATION

|           |     |              |         |     |     |
|-----------|-----|--------------|---------|-----|-----|
| Water     | %   | <b>NEG</b>   | ▲ 0.127 | NEG | --- |
| Silicon   | ppm | <b>5</b>     | 3       | 4   | --- |
| Sodium    | ppm | <b>&lt;1</b> | 2       | <1  | --- |
| Potassium | ppm | <b>2</b>     | 0       | 1   | --- |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |       |       |     |
|------------|-----|--------------|-------|-------|-----|
| Iron       | ppm | <b>17</b>    | 16    | 23    | --- |
| Copper     | ppm | <b>164</b>   | ▲ 370 | ▲ 873 | --- |
| Lead       | ppm | <b>&lt;1</b> | 6     | <1    | --- |
| Tin        | ppm | <b>&lt;1</b> | 0     | <1    | --- |
| Aluminum   | ppm | <b>2</b>     | <1    | 1     | --- |
| Chromium   | ppm | <b>&lt;1</b> | 0     | <1    | --- |
| Molybdenum | ppm | <b>13</b>    | 7     | 11    | --- |
| Nickel     | ppm | <b>&lt;1</b> | 0     | <1    | --- |
| Titanium   | ppm | <b>1</b>     | 0     | 0     | --- |
| Silver     | ppm | <b>1</b>     | 0     | 0     | --- |
| Manganese  | ppm | <b>&lt;1</b> | <1    | 1     | --- |
| Vanadium   | ppm | <b>&lt;1</b> | 0     | 0     | --- |



### ADDITIVES

|            |     |             |      |      |     |
|------------|-----|-------------|------|------|-----|
| Calcium    | ppm | <b>2435</b> | 2492 | 2387 | --- |
| Magnesium  | ppm | <b>70</b>   | 25   | 63   | --- |
| Zinc       | ppm | <b>1151</b> | 1075 | 1046 | --- |
| Phosphorus | ppm | <b>921</b>  | 956  | 872  | --- |
| Barium     | ppm | <b>0</b>    | 0    | 0    | --- |
| Boron      | ppm | <b>24</b>   | 10   | 24   | --- |

**Depot:** PLEDOV  
**Unique No:** 11112858  
**Signed:** Wes Davis  
**Report Date:** 08 Jul 2024



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## GRAPHS

