



# CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 19890 VOLVO L120H RL83 (S/N 633323) - FRONT AXLE



**Sample No:** VCP443109  
**Oil Type:** VOLVO SUPER WET BRAKE TRANSAXLE OIL WB102  
**Job No:** 19890



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP443109</b>   | VCP412001   | --- | --- |
| Sample Date   | <b>14 Oct 2023</b> | 23 Jul 2023 | --- | --- |
| Machine Hours | <b>2347</b>        | 1560        | --- | --- |
| Oil Hours     | <b>0</b>           | 1560        | --- | --- |
| Oil Changed   | <b>Changed</b>     | Not Changd  | --- | --- |
| Sample Status | <b>ABNORMAL</b>    | NORMAL      | --- | --- |

### HILCO TRANSPORT

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## OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>40.9</b> | 41.1 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



## CONTAMINATION

|           |     |              |     |     |     |
|-----------|-----|--------------|-----|-----|-----|
| Water     | %   | <b>0.325</b> | NEG | --- | --- |
| Silicon   | ppm | <b>20</b>    | 19  | --- | --- |
| Sodium    | ppm | <b>8</b>     | 8   | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | 1   | --- | --- |

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



## WEAR METALS

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Iron       | ppm | <b>110</b>   | 158 | --- | --- |
| Copper     | ppm | <b>1</b>     | 1   | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | <1  | --- | --- |
| Tin        | ppm | <b>0</b>     | <1  | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | 1   | --- | --- |
| Chromium   | ppm | <b>2</b>     | 5   | --- | --- |
| Molybdenum | ppm | <b>7</b>     | 13  | --- | --- |
| Nickel     | ppm | <b>0</b>     | <1  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0   | --- | --- |
| Silver     | ppm | <b>0</b>     | 0   | --- | --- |
| Manganese  | ppm | <b>7</b>     | 11  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0   | --- | --- |



## ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>3702</b> | 4053 | --- | --- |
| Magnesium  | ppm | <b>9</b>    | 15   | --- | --- |
| Zinc       | ppm | <b>1632</b> | 1648 | --- | --- |
| Phosphorus | ppm | <b>1353</b> | 1301 | --- | --- |
| Barium     | ppm | <b>0</b>    | 0    | --- | --- |
| Boron      | ppm | <b>124</b>  | 121  | --- | --- |

**Depot:** HILGREVC  
**Unique No:** 10755924  
**Signed:** Sean Felton  
**Report Date:** 28 Nov 2023



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## GRAPHS

