



# CONSTRUCTION EQUIPMENT

A10585 VOLVO L110H 632525 - REAR AXLE



**Sample No:** VCP365694  
**Oil Type:** MOBIL WB 102  
**Job No:** A10585



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP365694   | --- | --- | --- |
| Sample Date   | 22 Jun 2023 | --- | --- | --- |
| Machine Hours | 975         | --- | --- | --- |
| Oil Hours     | 975         | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**HMR ASSOCIATES**  
 PO BOX 485  
 TOUGHKENAMON, PA  
 US 19374  
 Contact: SERVICE MANAGER



## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 42.2 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|

T:  
 F: (610)268-2225



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 37 | --- | --- | --- |
| Sodium    | ppm | █ 12 | --- | --- | --- |
| Potassium | ppm | █ 3  | --- | --- | --- |

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



## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 396 | --- | --- | --- |
| Copper     | ppm | █ 1   | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 2   | --- | --- | --- |
| Chromium   | ppm | █ 8   | --- | --- | --- |
| Molybdenum | ppm | 14    | --- | --- | --- |
| Nickel     | ppm | █ 3   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | <1    | --- | --- | --- |
| Manganese  | ppm | 23    | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



## ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 5023 | --- | --- | --- |
| Magnesium  | ppm | 17   | --- | --- | --- |
| Zinc       | ppm | 2050 | --- | --- | --- |
| Phosphorus | ppm | 1630 | --- | --- | --- |
| Barium     | ppm | 0    | --- | --- | --- |
| Boron      | ppm | 170  | --- | --- | --- |

**Depot:** HMRTOU  
**Unique No:** 10537442  
**Signed:** Don Baldrige  
**Report Date:** 03 Jul 2023



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## GRAPHS

