CONSTRUCTION EQUIPMENT HERC VOLVO L110H 632218 - FRONT AXLE



 Sample No:
 VCP425832

 Oil Type:
 VOLVO WB 102

 Job No:
 HERC

VOLVO

## SAMPLE INFORMATION

|               | . INFURMATIUN | l i         |             |      |  |
|---------------|---------------|-------------|-------------|------|--|
| Sample Number |               | VCP425832   | VCP390736   | <br> |  |
| Sample Date   |               | 04 Oct 2023 | 04 Oct 2022 | <br> |  |
| Machine Hours |               | 2218        | 1020        | <br> |  |
| Oil Hours     |               | 0           | 500         | <br> |  |
| Oil Changed   |               | N/A         | Changed     | <br> |  |
| Sample Status |               | NORMAL      | NORMAL      | <br> |  |
|               |               |             |             |      |  |
| OIL CON       | DITION        |             |             |      |  |
| Visc @ 40°C   | cSt           | ∎43.1       | ∎40.6       | <br> |  |
| CONTAM        | MINATION      |             |             |      |  |
| Silicon       | ppm           | 25          | 14          | <br> |  |
| Sodium        | ppm           | 3           | 9           | <br> |  |
| Potassium     | ppm           | 0           | □ <1        | <br> |  |

| WEAR METALS |     |            |            |  |  |  |
|-------------|-----|------------|------------|--|--|--|
| Iron        | ppm | 234        | 195        |  |  |  |
| Copper      | ppm | 0          | 1          |  |  |  |
| Lead        | ppm | 0          | <b></b> <1 |  |  |  |
| Tin         | ppm | 0          | <1         |  |  |  |
| Aluminum    | ppm | <b>4</b>   | 3          |  |  |  |
| Chromium    | ppm | <b>4</b>   | 6          |  |  |  |
| Molybdenum  | ppm | 7          | 9          |  |  |  |
| Nickel      | ppm | <b></b> <1 | 1          |  |  |  |
| Titanium    | ppm | <1         | <1         |  |  |  |
| Silver      | ppm | 0          | <1         |  |  |  |
| Manganese   | ppm | 8          | 12         |  |  |  |
| Vanadium    | ppm | 0          | 1          |  |  |  |
|             |     |            |            |  |  |  |

**ADDITIVES** Calcium 3783 3965 ppm 10 Magnesium 36 ppm Zinc 1416 1556 ppm Phosphorus 1296 1291 ppm Barium ■<1 0 ppm Boron ppm 115 118



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## 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.

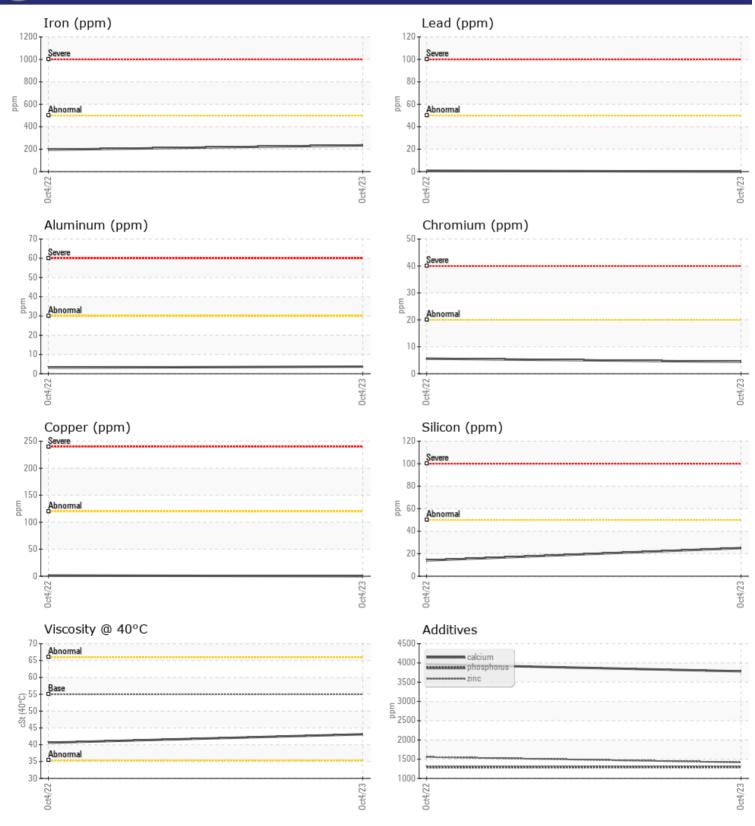
| Depot:       | VOLVO0093   |
|--------------|-------------|
| Unique No:   | 10699901    |
| Signed:      | Wes Davis   |
| Report Date: | 19 Oct 2023 |

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JOHN FARDELLA - VOLVO0093