



CONSTRUCTION EQUIPMENT

495 VOLVO L90H 624946 - FRONT AXLE



Sample No: VCP391415
Oil Type: VOLVO WB 102
Job No: 495



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP391415 | VCP263729 | VCP281701 | --- |
| Sample Date | 08 Feb 2024 | 09 Mar 2021 | 22 Oct 2020 | --- |
| Machine Hours | 4775 | 1528 | 2023 | --- |
| Oil Hours | 781 | 0 | 0 | --- |
| Oil Changed | N/A | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

SODERBERG CONSTRUCTION

460 YORK STREET
 CARIBOU, ME
 US 04736

Contact: GREG LANDEEN
 glandeen@mfx.net
 T: (207)498-6300
 F: (207)498-6535



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 42.3 | 40.0 | 39.8 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | --- |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 13 | 16 | 15 | --- |
| Sodium | ppm | 3 | 5 | 7 | --- |
| Potassium | ppm | 0 | 0 | 9 | --- |

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 | 20 | 87 | 162 | --- |
| Copper | ppm | 0 | <1 | 1 | --- |
| Lead | ppm | 0 | 0 | 0 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 0 | 1 | 1 | --- |
| Chromium | ppm | <1 | 4 | 6 | --- |
| Molybdenum | ppm | <1 | 10 | 14 | --- |
| Nickel | ppm | 0 | <1 | 2 | --- |
| Titanium | ppm | 0 | 1 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | 11 | 11 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 3594 | 4249 | 4211 | --- |
| Magnesium | ppm | 14 | 8 | 12 | --- |
| Zinc | ppm | 1372 | 1712 | 1573 | --- |
| Phosphorus | ppm | 1171 | 1399 | 1304 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 124 | 126 | 112 | --- |

Depot: SODCAR
Unique No: 10896973
Signed: Wes Davis
Report Date: 26 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

