



CONSTRUCTION EQUIPMENT

647199 ATLAS ORG VOLVO L70H 623753 - REAR AXLE



Sample No: VCP432904
Oil Type: VOLVO WB 102
Job No: 647199 ATLAS ORG



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP432904 | VCP425061 | --- | --- |
| Sample Date | 21 Dec 2023 | 29 Jun 2023 | --- | --- |
| Machine Hours | 8081 | 6718 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
9601 BOGGY CREEK RD
ORLANDO, FL
US 32824
Contact: Robert LaPlante
robert.laplante@altg.com
T: (407)508-9736
F: (407)659-8720



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 44.1 | 39.9 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 17 | 19 | --- | --- |
| Sodium | ppm | 0 | 7 | --- | --- |
| Potassium | ppm | 1 | 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 oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 122 | 258 | --- | --- |
| Copper | ppm | 9 | 29 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | <1 | 3 | --- | --- |
| Aluminum | ppm | 1 | <1 | --- | --- |
| Chromium | ppm | 2 | 8 | --- | --- |
| Molybdenum | ppm | 6 | 5 | --- | --- |
| Nickel | ppm | <1 | 2 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 2 | 13 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3839 | 3957 | --- | --- |
| Magnesium | ppm | 41 | 13 | --- | --- |
| Zinc | ppm | 1597 | 1622 | --- | --- |
| Phosphorus | ppm | 1286 | 1325 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 139 | 148 | --- | --- |

Depot: VOLVO0096
Unique No: 10808684
Signed: Wes Davis
Report Date: 02 Jan 2024



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GRAPHS

