



CONSTRUCTION EQUIPMENT

SWA410045-10 VOLVO L120E 632377 - REAR AXLE



Sample No: VCP434991
Oil Type: VOLVO WB 101
Job No: SWA410045-10



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP434991 | VCP355106 | VCP367850 | VCP395853 |
| Sample Date | 08 Nov 2023 | 06 Sep 2023 | 24 Jan 2023 | 07 Dec 2022 |
| Machine Hours | 10919 | 10556 | 9215 | 9000 |
| Oil Hours | 0 | 0 | 371 | 1000 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

ALTA EQUIPMENT COMPANY

1035 WYLIE DRIVE
 BLOOMINGTON, IL
 US 61705

Contact: JUSTIN PERRY
 justin.perry@altg.com
 T: (309)533-9285
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 43.6 | 42.9 | 44.9 | 43.5 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|---|----|----|
| Silicon | ppm | 16 | 9 | 17 | 15 |
| Sodium | ppm | 0 | 2 | 2 | 2 |
| Potassium | ppm | 2 | 0 | 0 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 123 | 30 | 74 | 132 |
| Copper | ppm | <1 | 0 | <1 | <1 |
| Lead | ppm | 0 | <1 | <1 | <1 |
| Tin | ppm | 0 | <1 | <1 | <1 |
| Aluminum | ppm | 2 | 1 | 2 | 2 |
| Chromium | ppm | 1 | <1 | 1 | 2 |
| Molybdenum | ppm | 9 | 1 | 12 | 14 |
| Nickel | ppm | <1 | <1 | 0 | 0 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | 3 | <1 | 5 | 5 |
| Vanadium | ppm | <1 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 4091 | 4174 | 3969 | 4023 |
| Magnesium | ppm | 25 | 19 | 25 | 27 |
| Zinc | ppm | 1642 | 1731 | 1526 | 1533 |
| Phosphorus | ppm | 1334 | 1401 | 1218 | 1202 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 157 | 130 | 140 | 135 |

Diagnosis

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

Depot: VOLVO5054
Unique No: 10741662
Signed: Don Baldrige
Report Date: 16 Nov 2023



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VOLVO GRAPHS

