



CONSTRUCTION EQUIPMENT

A11383 VOLVO L120F 66670 - REAR AXLE



Sample No: VCP430642
Oil Type: MOBIL WB 102
Job No: A11383



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP430642 | VCP406041 | VCP315206 | VCP255034 |
| Sample Date | 30 Oct 2023 | 13 Apr 2023 | 24 Mar 2021 | 27 May 2020 |
| Machine Hours | 11170 | 10550 | 9240 | 8485 |
| Oil Hours | 1000 | 500 | 1000 | 500 |
| Oil Changed | Not Chngd | Not Chngd | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 42.2 | 40.1 | 40.5 | 40.4 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 11 | 11 | 11 | 10 |
| Sodium | ppm | 3 | 4 | 4 | 3 |
| Potassium | ppm | <1 | 0 | 0 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 50 | 49 | 43 | 15 |
| Copper | ppm | 0 | <1 | <1 | <1 |
| Lead | ppm | <1 | 0 | <1 | 0 |
| Tin | ppm | <1 | 0 | <1 | 0 |
| Aluminum | ppm | <1 | <1 | <1 | 1 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 3 | 3 | 3 | 2 |
| Nickel | ppm | 0 | 0 | 0 | <1 |
| Titanium | ppm | <1 | 0 | <1 | 0 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | <1 | 1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3713 | 3848 | 3811 | 3352 |
| Magnesium | ppm | 0 | 35 | 31 | 27 |
| Zinc | ppm | 1655 | 1600 | 1587 | 1323 |
| Phosphorus | ppm | 1198 | 1285 | 1292 | 1144 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 124 | 141 | 132 | 111 |

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: JAAPHI
Unique No: 10738396
Signed: Wes Davis
Report Date: 11 Nov 2023



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VOLVO GRAPHS

