



CONSTRUCTION EQUIPMENT

GILBERT BLOCK VOLVO L90H 624683 - FRONT AXLE



Sample No: VCE73714
Oil Type: VOLVO WB 102
Job No: GILBERT BLOCK



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCE73714 | VC450395 | --- | --- |
| Sample Date | 20 Feb 2024 | 31 Aug 2023 | --- | --- |
| Machine Hours | 7454 | 7195 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | N/A | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 42.6 | 42.8 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 15 | 15 | --- | --- |
| Sodium | ppm | 7 | 9 | --- | --- |
| Potassium | ppm | 0 | 0 | --- | --- |

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 | 49 | 45 | --- | --- |
| Copper | ppm | <1 | 0 | --- | --- |
| Lead | ppm | <1 | <1 | --- | --- |
| Tin | ppm | 1 | 0 | --- | --- |
| Aluminum | ppm | 1 | 2 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 3 | 2 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 1 | 1 | --- | --- |
| Vanadium | ppm | <1 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3816 | 4167 | --- | --- |
| Magnesium | ppm | 10 | 19 | --- | --- |
| Zinc | ppm | 1553 | 1636 | --- | --- |
| Phosphorus | ppm | 1282 | 1287 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 120 | 152 | --- | --- |

Depot: VOLVO0049
Unique No: 10890144
Signed: Wes Davis
Report Date: 23 Feb 2024



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GRAPHS

