



CONSTRUCTION EQUIPMENT

W02007814 VOLVO L90F 68750 - FRONT AXLE



Sample No: VCP384484
Oil Type: MOBIL WB 102
Job No: W02007814



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP384484 | VCP326982 | --- | --- |
| Sample Date | 30 Jan 2024 | 19 Jun 2023 | --- | --- |
| Machine Hours | 15017 | 14265 | --- | --- |
| Oil Hours | 800 | 2000 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 41.0 | 43.8 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 20 | 25 | --- | --- |
| Sodium | ppm | 1 | 0 | --- | --- |
| Potassium | ppm | 1 | 2 | --- | --- |

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 | 31 | 42 | --- | --- |
| Copper | ppm | <1 | <1 | --- | --- |
| Lead | ppm | <1 | 0 | --- | --- |
| Tin | ppm | <1 | 0 | --- | --- |
| Aluminum | ppm | <1 | 0 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | <1 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3169 | 4134 | --- | --- |
| Magnesium | ppm | 14 | 11 | --- | --- |
| Zinc | ppm | 1392 | 1606 | --- | --- |
| Phosphorus | ppm | 1243 | 1299 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 50 | 137 | --- | --- |

Depot: VOLVO0002
Unique No: 10861431
Signed: Wes Davis
Report Date: 05 Feb 2024



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GRAPHS

