



CONSTRUCTION EQUIPMENT

VOLVO L90H 626353 - DIESEL ENGINE



Sample No: VCP0007440

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP0007440 | VCP0003225 | --- | --- |
| Sample Date | 12 Sep 2023 | 20 Oct 2022 | --- | --- |
| Machine Hours | 0 | 0 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | N/A | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY
JACKSONVILLE, FL
US 32256

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OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|-----|-----|
| Visc @ 100°C | cSt | 13.4 | 12.3 | --- | --- |
| Base Number (BN) | mg KOH/g | 9.0 | 11.7 | --- | --- |
| Oxidation (PA) | % | 86 | 78 | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|----------------|-----|-----|-----|
| Soot % | % | 0.8 | 0.3 | --- | --- |
| Nitration (PA) | % | 86 | 61 | --- | --- |
| Sulfation (PA) | % | 64 | 63 | --- | --- |
| Glycol | % | NEG | NEG | --- | --- |
| Fuel | % | <1.0 | 0.2 | --- | --- |
| Silicon | ppm | 10 | 16 | --- | --- |
| Sodium | ppm | 3 | <1 | --- | --- |
| Potassium | ppm | <1 | 0 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 35 | 27 | --- | --- |
| Copper | ppm | 4 | 6 | --- | --- |
| Lead | ppm | <1 | <1 | --- | --- |
| Tin | ppm | 2 | 2 | --- | --- |
| Aluminum | ppm | 12 | 22 | --- | --- |
| Chromium | ppm | 2 | 3 | --- | --- |
| Molybdenum | ppm | 43 | 39 | --- | --- |
| Nickel | ppm | <1 | 0 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 1 | 4 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 1865 | 1612 | --- | --- |
| Magnesium | ppm | 564 | 592 | --- | --- |
| Zinc | ppm | 1302 | 1144 | --- | --- |
| Phosphorus | ppm | 1050 | 898 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 17 | 33 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0092
Unique No: 10647207
Signed: Wes Davis
Report Date: 16 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

