



CONSTRUCTION EQUIPMENT

ROYAL BEDROCK VOLVO L330E 62219 - REAR LEFT FINAL DRIVE



Sample No: VCP392461

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP392461 | --- | --- | --- |
| Sample Date | 16 Aug 2023 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

STRONGCO EQUIPMENT

54 IBER ROAD

OTTAWA, ON

CA K2S 1E8

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OIL CONDITION

| | | | | | |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 45.8 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ▲ 36 | --- | --- | --- |
| Sodium | ppm | ■ 5 | --- | --- | --- |
| Potassium | ppm | ■ 6 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ■ 118 | --- | --- | --- |
| Copper | ppm | ▲ 56 | --- | --- | --- |
| Lead | ppm | ■ 4 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ▲ 32 | --- | --- | --- |
| Chromium | ppm | ■ 2 | --- | --- | --- |
| Molybdenum | ppm | 1 | --- | --- | --- |
| Nickel | ppm | ■ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | <1 | --- | --- | --- |
| Manganese | ppm | 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 2476 | --- | --- | --- |
| Magnesium | ppm | 25 | --- | --- | --- |
| Zinc | ppm | 484 | --- | --- | --- |
| Phosphorus | ppm | 683 | --- | --- | --- |
| Barium | ppm | <1 | --- | --- | --- |
| Boron | ppm | 9 | --- | --- | --- |

Diagnosis

We advise that you check for visible metal particles in the oil. We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Copper ppm levels are abnormal. Aluminum ppm levels are noted. Moderate concentration of visible metal present. Gear wear is indicated. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. Viscosity of sample indicates oil is within ISO 2 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: SHESTI

Unique No: 5629567

Signed: Kevin Marson

Report Date: 18 Aug 2023



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GRAPHS

