



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 311334 - 2 SWING DRIVE



Sample No: VCP383182
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP383182 | VCP384127 | --- | --- |
| Sample Date | 20 Oct 2023 | 04 Jan 2023 | --- | --- |
| Machine Hours | 5780 | 4860 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 144 | 125 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|-----|-----|
| Silicon | ppm | 3 | 4 | --- | --- |
| Sodium | ppm | 0 | 3 | --- | --- |
| Potassium | ppm | 0 | 0 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 22 | 68 | --- | --- |
| Copper | ppm | <1 | 3 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 0 | <1 | --- | --- |
| Chromium | ppm | 0 | <1 | --- | --- |
| Molybdenum | ppm | 0 | <1 | --- | --- |
| Nickel | ppm | 0 | 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 0 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 6 | 18 | --- | --- |
| Magnesium | ppm | 0 | 0 | --- | --- |
| Zinc | ppm | 12 | 19 | --- | --- |
| Phosphorus | ppm | 594 | 824 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 22 | 129 | --- | --- |

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: LEOMAD
Unique No: 10725312
Signed: Sean Felton
Report Date: 03 Nov 2023



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GRAPHS

