



CONSTRUCTION EQUIPMENT

11052 VOLVO EC380E 310536 - LEFT FINAL DRIVE



Sample No: VCP440583
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 11052



HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP440583 | --- | --- | --- |
| Sample Date | 07 Sep 2023 | --- | --- | --- |
| Machine Hours | 3895 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 293 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Silicon | ppm | ▲ 279 | --- | --- | --- |
| Sodium | ppm | █ 8 | --- | --- | --- |
| Potassium | ppm | █ 12 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | ▲ 1315 | --- | --- | --- |
| Copper | ppm | █ 3 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | ▲ 45 | --- | --- | --- |
| Chromium | ppm | ▲ 19 | --- | --- | --- |
| Molybdenum | ppm | █ 2 | --- | --- | --- |
| Nickel | ppm | █ 2 | --- | --- | --- |
| Titanium | ppm | 4 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 11 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 44 | --- | --- | --- |
| Magnesium | ppm | █ 8 | --- | --- | --- |
| Zinc | ppm | █ 18 | --- | --- | --- |
| Phosphorus | ppm | █ 1049 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 202 | --- | --- | --- |

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8879
Unique No: 10657945
Signed: Jonathan Hester
Report Date: 22 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

