



CONSTRUCTION EQUIPMENT

SW1026951-10 VOLVO EC480 310140 (S/N 310141) - RIGHT SWING DRIVE



Sample No: VCP439402
Oil Type: GEAR OIL SAE 80W90
Job No: SW1026951-10



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP439402 | --- | --- | --- |
| Sample Date | 09 Jan 2024 | --- | --- | --- |
| Machine Hours | 8218 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 210 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|--------|-----|-----|-----|
| Water | % | █ 5.81 | --- | --- | --- |
| Silicon | ppm | █ 44 | --- | --- | --- |
| Sodium | ppm | █ 243 | --- | --- | --- |
| Potassium | ppm | █ 1082 | --- | --- | --- |

WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | █ 1185 | --- | --- | --- |
| Copper | ppm | █ 38 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 9 | --- | --- | --- |
| Chromium | ppm | █ 17 | --- | --- | --- |
| Molybdenum | ppm | █ 22 | --- | --- | --- |
| Nickel | ppm | █ 2 | --- | --- | --- |
| Titanium | ppm | █ 2 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 11 | --- | --- | --- |
| Vanadium | ppm | █ 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 233 | --- | --- | --- |
| Magnesium | ppm | █ 37 | --- | --- | --- |
| Zinc | ppm | █ 111 | --- | --- | --- |
| Phosphorus | ppm | █ 1146 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 1047 | --- | --- | --- |

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. Appearance is milky. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VOLVO8770
Unique No: 10846422
Signed: Jonathan Hester
Report Date: 26 Jan 2024



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GRAPHS

