



CONSTRUCTION EQUIPMENT

25521 VOLVO EC350E 314352 - SWING DRIVE



Sample No: VCP445367
Oil Type: VOLVO SUPER GEAR OIL 75W-80-GO102
Job No: 25521



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP445367 | VCP408099 | --- | --- |
| Sample Date | 30 Apr 2024 | 18 Aug 2023 | --- | --- |
| Machine Hours | 3111 | 2066 | --- | --- |
| Oil Hours | 0 | 1000 | --- | --- |
| Oil Changed | Not Chngd | Changed | --- | --- |
| Sample Status | ABNORMAL | ABNORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|-----|-----|-----|
| Visc @ 40°C | cSt | 96.9 | 171 | --- | --- |
|-------------|-----|-------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-------|-----|-----|
| Water | % | 0.273 | 0.070 | --- | --- |
| Silicon | ppm | 36 | 14 | --- | --- |
| Sodium | ppm | 3 | <1 | --- | --- |
| Potassium | ppm | 2 | <1 | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 326 | 254 | --- | --- |
| Copper | ppm | 9 | 5 | --- | --- |
| Lead | ppm | 2 | 0 | --- | --- |
| Tin | ppm | 2 | <1 | --- | --- |
| Aluminum | ppm | 4 | 2 | --- | --- |
| Chromium | ppm | 5 | 3 | --- | --- |
| Molybdenum | ppm | <1 | 0 | --- | --- |
| Nickel | ppm | 1 | 0 | --- | --- |
| Titanium | ppm | 1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 5 | 4 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Calcium | ppm | 9 | 31 | --- | --- |
| Magnesium | ppm | <1 | 0 | --- | --- |
| Zinc | ppm | 43 | 73 | --- | --- |
| Phosphorus | ppm | 1157 | 291 | --- | --- |
| Barium | ppm | 3 | 1 | --- | --- |
| Boron | ppm | 36 | 0 | --- | --- |

Depot: OLTNOR
Unique No: 11016393
Signed: Jonathan Hester
Report Date: 08 May 2024



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GRAPHS

