



CONSTRUCTION EQUIPMENT

SWO-069193 VOLVO A60H A60H 340102 - FRONT RIGHT FINAL DRIVE



Sample No: VCP446724
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-069193



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP446724 | VCP432271 | VCP414096 | VCP410125 |
| Sample Date | 01 Feb 2024 | 28 Sep 2023 | 11 Jul 2023 | 30 Mar 2023 |
| Machine Hours | 9767 | 9302 | 8821 | 8292 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | NORMAL | ATTENTION | ATTENTION | ATTENTION |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-------|
| Visc @ 40°C | cSt | 249 | 250 | 249 | 250.5 |
|-------------|-----|------------|-----|-----|-------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 5 | 4 | 5 | 4 |
| Sodium | ppm | 0 | 2 | <1 | <1 |
| Potassium | ppm | 1 | <1 | <1 | <1 |

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.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 81 | 75 | 67 | 66 |
| Copper | ppm | <1 | <1 | 3 | <1 |
| Lead | ppm | 0 | 0 | <1 | 0 |
| Tin | ppm | 0 | 0 | <1 | 0 |
| Aluminum | ppm | 2 | <1 | <1 | 0 |
| Chromium | ppm | 1 | 2 | 2 | 2 |
| Molybdenum | ppm | <1 | 1 | 1 | 1 |
| Nickel | ppm | 0 | <1 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 2 | 2 | 2 |
| Vanadium | ppm | 0 | <1 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|------|------|------|
| Calcium | ppm | 59 | 60 | 102 | 58 |
| Magnesium | ppm | 8 | 5 | 6 | 7 |
| Zinc | ppm | 18 | 21 | 48 | 30 |
| Phosphorus | ppm | 929 | 1184 | 1175 | 1107 |
| Barium | ppm | 5 | 0 | 0 | 0 |
| Boron | ppm | 206 | 260 | 193 | 224 |

Depot: SAIBIR
Unique No: 10863760
Signed: Jonathan Hester
Report Date: 08 Feb 2024



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GRAPHS

