



CONSTRUCTION EQUIPMENT

VOLVO A60H 350022 - FRONT RIGHT FINAL DRIVE



Sample No: VCP454877
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP454877 | VCP441449 | VCP427436 | VCP424706 |
| Sample Date | 06 Jun 2024 | 23 Jan 2024 | 27 Sep 2023 | 01 May 2023 |
| Machine Hours | 8426 | 7905 | 7399 | 6905 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Changed | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 283 | 309 | 309 | 306 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 4 | 2 | 2 | 2 |
| Sodium | ppm | 0 | 0 | 0 | 1 |
| Potassium | ppm | 1 | 2 | 0 | <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. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 13 | 54 | 44 | 41 |
| Copper | ppm | <1 | 0 | 0 | 1 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 0 | 2 | 0 |
| Chromium | ppm | <1 | 1 | 1 | 1 |
| Molybdenum | ppm | 10 | 2 | 2 | 3 |
| Nickel | ppm | 0 | <1 | <1 | 0 |
| Titanium | ppm | <1 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | 2 | 2 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|------|------|------|
| Calcium | ppm | 139 | 109 | 113 | 107 |
| Magnesium | ppm | 49 | 21 | 20 | 22 |
| Zinc | ppm | 128 | 90 | 77 | 79 |
| Phosphorus | ppm | 888 | 1089 | 1156 | 1041 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 171 | 195 | 185 | 154 |

Depot: SAIBIR
Unique No: 11075573
Signed: Don Baldrige
Report Date: 14 Jun 2024



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VOLVO GRAPHS

