



CONSTRUCTION EQUIPMENT

SWO-066190 VOLVO A60H 340039 - FRONT AXLE



Sample No: VCP428989
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-066190



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP428989 | VCP413328 | VCP366099 | VCP363543 |
| Sample Date | 27 Sep 2023 | 20 Jun 2023 | 29 Nov 2022 | 15 Aug 2022 |
| Machine Hours | 8052 | 7542 | 7061 | 6529 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 274 | 276 | 275 | 275 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|----|---|
| Silicon | ppm | 3 | 2 | 2 | 2 |
| Sodium | ppm | <1 | 0 | <1 | 0 |
| Potassium | ppm | 1 | 0 | 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. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 26 | 25 | 17 | 12 |
| Copper | ppm | 0 | 0 | 0 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | <1 |
| Aluminum | ppm | 0 | 0 | <1 | <1 |
| Chromium | ppm | <1 | <1 | 0 | <1 |
| Molybdenum | ppm | 2 | 3 | 3 | 3 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | <1 |
| Manganese | ppm | <1 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 66 | 73 | 65 | 69 |
| Magnesium | ppm | 14 | 17 | 13 | 15 |
| Zinc | ppm | 24 | 39 | 39 | 43 |
| Phosphorus | ppm | 921 | 974 | 838 | 918 |
| Barium | ppm | 0 | 0 | 0 | <1 |
| Boron | ppm | 151 | 180 | 148 | 157 |

Depot: SAIBIR
Unique No: 10673227
Signed: Don Baldrige
Report Date: 04 Oct 2023



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GRAPHS

