



CONSTRUCTION EQUIPMENT

SWO-06927 VOLVO A60H 350022 - FRONT AXLE



Sample No: VCP428902
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-06927



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP428902 | VCP427440 | VCP402736 | VCP366091 |
| Sample Date | 23 Jan 2024 | 27 Sep 2023 | 01 May 2023 | 29 Nov 2022 |
| Machine Hours | 7905 | 7399 | 6905 | 6420 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 309 | 309 | 310 | 309 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

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

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 | 56 | 44 | 41 | 13 |
| Copper | ppm | 0 | 0 | 1 | 0 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | 2 | 0 | <1 |
| Chromium | ppm | 1 | 1 | 1 | <1 |
| Molybdenum | ppm | 2 | 2 | 3 | 2 |
| Nickel | ppm | <1 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 2 | 2 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 110 | 113 | 107 | 113 |
| Magnesium | ppm | 22 | 20 | 21 | 18 |
| Zinc | ppm | 91 | 78 | 78 | 86 |
| Phosphorus | ppm | 1100 | 1158 | 1048 | 989 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 198 | 183 | 155 | 160 |

Depot: SAIBIR
Unique No: 10849938
Signed: Don Baldrige
Report Date: 31 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

