



CONSTRUCTION EQUIPMENT

SWO-068559 VOLVO A40G 341023 - DROP BOX



Sample No: VCP447533
Oil Type: GEAR OIL SAE 80W90
Job No: SWO-068559



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP447533 | VCP431091 | VCP408970 | VCP368391 |
| Sample Date | 27 Dec 2023 | 20 Sep 2023 | 13 Jun 2023 | 07 Mar 2023 |
| Machine Hours | 8960 | 8472 | 7952 | 7404 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 286 | 280 | 147 | 146 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 0 | 6 | 3 | 4 |
| Sodium | ppm | 0 | 0 | 0 | 0 |
| Potassium | ppm | 0 | <1 | <1 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|-----------|----|----|----|
| Iron | ppm | 19 | 25 | 85 | 95 |
| Copper | ppm | 0 | <1 | <1 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 2 | 4 | 4 |
| Chromium | ppm | 1 | <1 | 1 | 2 |
| Molybdenum | ppm | 0 | 3 | 2 | 1 |
| Nickel | ppm | 0 | <1 | <1 | <1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | <1 | <1 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 65 | 66 | 23 | 21 |
| Magnesium | ppm | 13 | 15 | 3 | 3 |
| Zinc | ppm | 41 | 52 | 34 | 32 |
| Phosphorus | ppm | 1121 | 1019 | 980 | 949 |
| Barium | ppm | 4 | 0 | 2 | 0 |
| Boron | ppm | 197 | 185 | 212 | 197 |

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.

Depot: SAIBIR
Unique No: 10809859
Signed: Jonathan Hester
Report Date: 04 Jan 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

