



CONSTRUCTION EQUIPMENT

VOLVO A40F 11843 - DROP BOX



Sample No: VCP431893
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP431893 | VCP416405 | VCP397106 | VCP402136 |
| Sample Date | 01 Nov 2023 | 02 Aug 2023 | 12 Apr 2023 | 08 Dec 2022 |
| Machine Hours | 6592 | 6103 | 5555 | 5050 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

SAIIA CONSTRUCTION LLC
 4400 LEWISBURG RD
 BIRMINGHAM, AL
 US 35207
 Contact: STEPHANI BRITTON
 sbritton@saiia.com;doug.bogart@wearcheck.com
 T: (205)943-2268
 F: (205)943-2269



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 298 | 299 | 294 | 297 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|---|---|
| Silicon | ppm | 4 | 2 | 2 | 2 |
| Sodium | ppm | <1 | 0 | 0 | 0 |
| Potassium | ppm | 0 | 2 | 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 | 6 | 17 | 18 | 16 |
| Copper | ppm | <1 | <1 | 0 | 0 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 3 | 5 | 6 | 2 |
| Chromium | ppm | 0 | 0 | <1 | 0 |
| Molybdenum | ppm | 17 | 4 | 4 | 2 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | <1 | 0 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | 0 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 114 | 57 | 59 | 90 |
| Magnesium | ppm | 25 | 13 | 17 | 11 |
| Zinc | ppm | 67 | 61 | 56 | 71 |
| Phosphorus | ppm | 997 | 916 | 893 | 860 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 175 | 160 | 150 | 127 |

Depot: SAIBIR
Unique No: 10749072
Signed: Doug Bogart
Report Date: 19 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

