



CONSTRUCTION EQUIPMENT

VOLVO A40G 340716 - BRAKE



Sample No: VCP419109
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP419109 | VCP402287 | VCP366085 | VCP373752 |
| Sample Date | 30 Aug 2023 | 26 Apr 2023 | 23 Nov 2022 | 23 Aug 2022 |
| Machine Hours | 8929 | 8381 | 7881 | 7326 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | ABNORMAL | ABNORMAL | ABNORMAL | ABNORMAL |

SAIIA CONSTRUCTION LLC

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 52.5 | 52.4 | 50.2 | 49.8 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 13 | 13 | 11 | 11 |
| Sodium | ppm | 4 | 0 | 0 | 3 |
| Potassium | ppm | 0 | 2 | 0 | 1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 23 | 23 | 15 | 18 |
| Copper | ppm | 229 | 229 | 314 | 288 |
| Lead | ppm | <1 | <1 | 0 | <1 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 1 | 0 | <1 | 2 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 3 | 4 | <1 | <1 |
| Nickel | ppm | 2 | 2 | <1 | <1 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | <1 | 0 | <1 | <1 |
| Manganese | ppm | 1 | <1 | 1 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3076 | 2921 | 2835 | 2629 |
| Magnesium | ppm | 46 | 38 | 22 | 23 |
| Zinc | ppm | 1320 | 1242 | 1172 | 1187 |
| Phosphorus | ppm | 1070 | 1034 | 1017 | 1039 |
| Barium | ppm | 0 | 0 | 0 | <1 |
| Boron | ppm | 105 | 96 | 103 | 107 |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: SAIBIR
Unique No: 10643562
Signed: Sean Felton
Report Date: 13 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

