



CONSTRUCTION EQUIPMENT

VOLVO A40G 342010 - WET DISC BRAKE



Sample No: VCP379369
Oil Type: MOBIL MOBILGARD 424
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP379369 | VCP384421 | VCP362751 | VCP359514 |
| Sample Date | 20 Jun 2023 | 27 Mar 2023 | 25 Oct 2022 | 27 Jul 2022 |
| Machine Hours | 7743 | 7115 | 6231 | 5678 |
| Oil Hours | 628 | 2014 | 1130 | 577 |
| Oil Changed | Not Changd | Changed | Not Changd | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 50.6 | 51.2 | 51.9 | 51.5 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|-----------|----|----|----|
| Silicon | ppm | 14 | 15 | 15 | 15 |
| Sodium | ppm | 1 | 2 | 3 | <1 |
| Potassium | ppm | 0 | 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 | 12 | 15 | 14 | 13 |
| Copper | ppm | 51 | 71 | 59 | 38 |
| Lead | ppm | 0 | 0 | 0 | 1 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | <1 | 1 | 1 | <1 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | 1 | 1 | 1 | 2 |
| Nickel | ppm | 1 | <1 | <1 | 2 |
| 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 | 3412 | 3164 | 3385 | 3375 |
| Magnesium | ppm | 17 | 19 | 12 | 21 |
| Zinc | ppm | 1386 | 1258 | 1338 | 1366 |
| Phosphorus | ppm | 1132 | 1048 | 1126 | 1066 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 127 | 115 | 116 | 123 |

Depot: SCHGRE
Unique No: 10546414
Signed: Don Baldrige
Report Date: 07 Jul 2023



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VOLVO GRAPHS

