



CONSTRUCTION EQUIPMENT

2593 VOLVO A40F 11927 - WET DISC BRAKE



Sample No: VCP451068
Oil Type: MOBIL MOBILFLUID 424
Job No: 2593



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP451068 | VCP331523 | VCP312559 | VCP312935 |
| Sample Date | 09 May 2024 | 30 Jan 2024 | 10 Oct 2023 | 01 Sep 2023 |
| Machine Hours | 26525 | 25888 | 25332 | 25041 |
| Oil Hours | 1193 | 556 | 1933 | 1642 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 50.6 | 52.0 | 51.4 | 51.6 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon | ppm | 13 | 18 | 13 | 13 |
| Sodium | ppm | <1 | 4 | 2 | 3 |
| Potassium | ppm | 1 | <1 | 2 | 1 |

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 | 14 | ▲ 25 | 12 | 14 |
| Copper | ppm | 31 | 27 | 40 | 35 |
| Lead | ppm | <1 | 2 | <1 | <1 |
| Tin | ppm | <1 | <1 | 0 | 0 |
| Aluminum | ppm | 2 | 2 | 1 | 2 |
| Chromium | ppm | <1 | 0 | <1 | <1 |
| Molybdenum | ppm | <1 | <1 | <1 | <1 |
| Nickel | ppm | 0 | <1 | <1 | <1 |
| Titanium | ppm | <1 | <1 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | <1 | 0 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3210 | 3270 | 3213 | 3216 |
| Magnesium | ppm | 13 | 17 | 13 | 14 |
| Zinc | ppm | 1341 | 1395 | 1372 | 1418 |
| Phosphorus | ppm | 1042 | 1093 | 1104 | 1145 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 118 | 102 | 106 | 115 |

Depot: SCHGRE
Unique No: 11075591
Signed: Don Baldrige
Report Date: 14 Jun 2024



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VOLVO GRAPHS

