



CONSTRUCTION EQUIPMENT

W07013153 VOLVO A35G 340135 - DROP BOX



Sample No: VCP407120
Oil Type: MOBIL 75W90
Job No: W07013153



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP407120 | VCP408195 | VCP401361 | VCP246131 |
| Sample Date | 03 Aug 2023 | 25 Apr 2023 | 27 Jan 2023 | 04 Mar 2022 |
| Machine Hours | 8463 | 7881 | 7282 | 5373 |
| Oil Hours | 500 | 500 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | N/A |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|-----|------|------|
| Visc @ 40°C | cSt | 50.7 | 113 | 49.9 | 42.3 |
|-------------|-----|-------------|-----|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 6 | 3 | 58 | 8 |
| Sodium | ppm | 1 | <1 | 4 | 3 |
| Potassium | ppm | <1 | 0 | 5 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 125 | 257 | 745 | 173 |
| Copper | ppm | 2 | 2 | 3 | 1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | <1 | 0 |
| Aluminum | ppm | 2 | 2 | 25 | 7 |
| Chromium | ppm | 1 | 2 | 9 | 2 |
| Molybdenum | ppm | <1 | 3 | 20 | 2 |
| Nickel | ppm | <1 | 1 | 2 | 2 |
| Titanium | ppm | 0 | 0 | 1 | <1 |
| Silver | ppm | 0 | 0 | <1 | <1 |
| Manganese | ppm | 2 | 4 | 8 | 1 |
| Vanadium | ppm | 0 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 37 | 9 | 48 | 100 |
| Magnesium | ppm | 0 | <1 | 8 | 11 |
| Zinc | ppm | 26 | 18 | 184 | 349 |
| Phosphorus | ppm | 2309 | 1209 | 2131 | 721 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 207 | 173 | 125 | 57 |

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: VOLVO8882
Unique No: 10604468
Signed: Sean Felton
Report Date: 15 Aug 2023



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GRAPHS

