



CONSTRUCTION EQUIPMENT

VOLVO A45G 352916 - DROP BOX



Sample No: VCP405828
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP405828 | VCP369306 | VCP419138 | VCP404641 |
| Sample Date | 05 Sep 2023 | 07 Aug 2023 | 25 Jul 2023 | 04 May 2023 |
| Machine Hours | 3285 | 3113 | 3005 | 2493 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | Changed | Not Changd | Not Changd |
| Sample Status | NORMAL | ABNORMAL | ABNORMAL | ATTENTION |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|------|------|------|
| Visc @ 40°C | cSt | 107 | 44.5 | 44.0 | 44.9 |
|-------------|-----|------------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 10 | 35 | 41 | 33 |
| Sodium | ppm | 3 | 4 | 10 | 9 |
| Potassium | ppm | <1 | 4 | 2 | 2 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 305 | 798 | 776 | 439 |
| Copper | ppm | 4 | 15 | 13 | 11 |
| Lead | ppm | 0 | <1 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | <1 | 1 | 1 | <1 |
| Chromium | ppm | 4 | 5 | 6 | 3 |
| Molybdenum | ppm | 3 | 4 | 4 | 4 |
| Nickel | ppm | 1 | 2 | 2 | 2 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 5 | 14 | 14 | 9 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 43 | 53 | 53 | 53 |
| Magnesium | ppm | 20 | 3 | <1 | 6 |
| Zinc | ppm | 74 | 83 | 82 | 86 |
| Phosphorus | ppm | 1163 | 2050 | 2151 | 2215 |
| Barium | ppm | 0 | 2 | 0 | 0 |
| Boron | ppm | 74 | 60 | 63 | 68 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: SAIBIR
Unique No: 10643520
Signed: Sean Felton
Report Date: 13 Sep 2023



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GRAPHS

