



CONSTRUCTION EQUIPMENT

VOLVO A45G 342545 - DROP BOX



Sample No: VCP0007597
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP0007597 | VCP297916 | VCP296388 | --- |
| Sample Date | 06 Jul 2023 | 04 Aug 2021 | 24 Dec 2020 | --- |
| Machine Hours | 0 | 4102 | 3126 | --- |
| Oil Hours | 0 | 1500 | 1000 | --- |
| Oil Changed | N/A | Changed | Not Changd | --- |
| Sample Status | ATTENTION | ABNORMAL | NORMAL | --- |

QGS - QUALITY GRASSES SERV/TCF LEASING
 17502 CR 672
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OIL CONDITION

| | | | | | |
|-------------|-----|--------------|--------|-------|-----|
| Visc @ 40°C | cSt | ▲ 303 | ■ 47.9 | ■ 273 | --- |
|-------------|-----|--------------|--------|-------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|------|------|-----|
| Silicon | ppm | ■ 8 | ■ 27 | ■ 2 | --- |
| Sodium | ppm | ■ 0 | ■ 4 | ■ 1 | --- |
| Potassium | ppm | ■ 1 | ■ <1 | ■ 15 | --- |

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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

| | | | | | |
|------------|-----|----------------|-------|------|-----|
| Iron | ppm | ■ 134 | ■ 169 | ■ 68 | --- |
| Copper | ppm | ■ <1 | ■ 5 | ■ <1 | --- |
| Lead | ppm | ■ 0 | ■ <1 | ■ 3 | --- |
| Tin | ppm | ■ 0 | ■ 0 | ■ 0 | --- |
| Aluminum | ppm | ■ 6 | ■ 14 | ■ <1 | --- |
| Chromium | ppm | ■ 2 | ■ 2 | ■ 1 | --- |
| Molybdenum | ppm | ■ 13 | ■ 10 | ■ 2 | --- |
| Nickel | ppm | ■ 2 | ■ 1 | ■ 0 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | <1 | 0 | 0 | --- |
| Manganese | ppm | ■ 2 | ■ 3 | ■ 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|---------------|--------|-------|-----|
| Calcium | ppm | ■ 54 | ■ 34 | ■ 96 | --- |
| Magnesium | ppm | ■ 17 | ■ 3 | ■ 4 | --- |
| Zinc | ppm | ■ 43 | ■ 68 | 49 | --- |
| Phosphorus | ppm | ■ 1000 | ■ 2130 | ■ 920 | --- |
| Barium | ppm | ■ 0 | ■ 0 | ■ 0 | --- |
| Boron | ppm | ■ 224 | ■ 33 | ■ 136 | --- |

Depot: QUALITFL
Unique No: 10549865
Signed: Sean Felton
Report Date: 11 Jul 2023



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GRAPHS

