



CONSTRUCTION EQUIPMENT

DAVID GERAY VOLVO G970 41848 - TRANSMISSION (AUTO)



Sample No: VCP401109
Oil Type: VOLVO AT 102
Job No: DAVID GERAY



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP401109 | VCP412779 | VCE185401 | --- |
| Sample Date | 21 Sep 2023 | 21 Aug 2023 | 17 Oct 2019 | --- |
| Machine Hours | 0 | 0 | 10257 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | N/A | N/A | N/A | --- |
| Sample Status | NORMAL | NORMAL | ABNORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | 28.3 | 27.9 | 41.3 | --- |
|-------------|-----|-------------|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|---|-----|
| Silicon | ppm | 5 | 6 | 7 | --- |
| Sodium | ppm | <1 | 2 | 3 | --- |
| Potassium | ppm | <1 | 0 | 0 | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The wear metal levels do not reflect the cause of the reported noise. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 31 | 35 | 7 | --- |
| Copper | ppm | 2 | 0 | <1 | --- |
| Lead | ppm | <1 | 0 | 1 | --- |
| Tin | ppm | 0 | <1 | 0 | --- |
| Aluminum | ppm | 2 | 2 | 1 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 3 | 0 | 11 | --- |
| Nickel | ppm | 0 | 0 | 0 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | <1 | <1 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|------|-----|
| Calcium | ppm | 486 | 643 | 2795 | --- |
| Magnesium | ppm | 35 | 10 | 49 | --- |
| Zinc | ppm | 183 | 212 | 1080 | --- |
| Phosphorus | ppm | 314 | 363 | 939 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 84 | 87 | 61 | --- |

Depot: ASCFAR
Unique No: 10662740
Signed: Doug Bogart
Report Date: 27 Sep 2023



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GRAPHS

