



CONSTRUCTION EQUIPMENT

X13625 VOLVO A25G 752413 - BOGIE/CENTER AXLE



Sample No: VCP400378
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: X13625



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP400378 | VCE04677 | VCE123066 | --- |
| Sample Date | 20 Nov 2023 | 26 Oct 2022 | 25 Aug 2022 | --- |
| Machine Hours | 2392 | 1254 | 873 | --- |
| Oil Hours | 1000 | 1254 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|------|-----|
| Visc @ 40°C | cSt | 142 | 136 | 95.0 | --- |
|-------------|-----|------------|-----|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-------|-----|
| Water | % | NEG | NEG | 0.185 | --- |
| Silicon | ppm | 3 | 7 | 4 | --- |
| Sodium | ppm | 1 | 0 | 0 | --- |
| Potassium | ppm | <1 | 2 | 6 | --- |

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 | 183 | 303 | 216 | --- |
| Copper | ppm | 6 | 8 | 42 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 0 | <1 | 2 | --- |
| Aluminum | ppm | 0 | 1 | <1 | --- |
| Chromium | ppm | 3 | 4 | 4 | --- |
| Molybdenum | ppm | 2 | 8 | 18 | --- |
| Nickel | ppm | <1 | <1 | 1 | --- |
| Titanium | ppm | 0 | <1 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 4 | 4 | 9 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------------|------|------|-----|
| Calcium | ppm | 39 | 76 | 472 | --- |
| Magnesium | ppm | 3 | 3 | <1 | --- |
| Zinc | ppm | 15 | 35 | 209 | --- |
| Phosphorus | ppm | 551 | 1099 | 1238 | --- |
| Barium | ppm | <1 | 2 | 7 | --- |
| Boron | ppm | 48 | 198 | 266 | --- |

Depot: VOLVO6241
Unique No: 10763004
Signed: Wes Davis
Report Date: 30 Nov 2023



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GRAPHS

