



CONSTRUCTION EQUIPMENT

565037 VOLVO A45G 353312 - BOGIE/CENTER AXLE



Sample No: VCP454836
Oil Type: GEAR OIL SAE 85W140
Job No: 565037



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP454836 | --- | --- | --- |
| Sample Date | 23 May 2024 | --- | --- | --- |
| Machine Hours | 2986 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 50.4 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | 4 | --- | --- | --- |
| Sodium | ppm | 2 | --- | --- | --- |
| Potassium | ppm | 1 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. 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 lower than normal. Confirm oil type.



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 397 | --- | --- | --- |
| Copper | ppm | 3 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | 0 | --- | --- | --- |
| Chromium | ppm | 4 | --- | --- | --- |
| Molybdenum | ppm | 4 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 11 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 119 | --- | --- | --- |
| Magnesium | ppm | 0 | --- | --- | --- |
| Zinc | ppm | 48 | --- | --- | --- |
| Phosphorus | ppm | 2446 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 195 | --- | --- | --- |

Depot: VOLVO0090
Unique No: 11056539
Signed: Don Baldrige
Report Date: 31 May 2024



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GRAPHS

