



CONSTRUCTION EQUIPMENT

579198 APTIM VOLVO A35G 340109 - BOGIE/CENTER AXLE



Sample No: VCP414222
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 579198 APTIM



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP414222 | VCP424868 | --- | --- |
| Sample Date | 11 Jul 2023 | 16 Mar 2023 | --- | --- |
| Machine Hours | 8937 | 8480 | --- | --- |
| Oil Hours | 4000 | 2000 | --- | --- |
| Oil Changed | Changed | Not Chngd | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 125 | 122 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|----------|---|-----|-----|
| Silicon | ppm | 2 | 7 | --- | --- |
| Sodium | ppm | 1 | 1 | --- | --- |
| Potassium | ppm | 0 | 0 | --- | --- |

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 | 152 | 174 | --- | --- |
| Copper | ppm | 2 | 2 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 2 | 6 | --- | --- |
| Chromium | ppm | 2 | 3 | --- | --- |
| Molybdenum | ppm | 9 | 10 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 2 | 2 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 9 | 9 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 118 | 126 | --- | --- |
| Magnesium | ppm | 15 | 20 | --- | --- |
| Zinc | ppm | 76 | 90 | --- | --- |
| Phosphorus | ppm | 1026 | 1059 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 233 | 222 | --- | --- |

Depot: VOLVO0093
Unique No: 10564866
Signed: Wes Davis
Report Date: 21 Jul 2023



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GRAPHS

