



CONSTRUCTION EQUIPMENT

554300 APTIM VOLVO A35G 340101 - BOGIE/CENTER AXLE



Sample No: VCP425790
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 554300 APTIM



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP425790 | VCP395761 | --- | --- |
| Sample Date | 24 May 2023 | 31 Jan 2023 | --- | --- |
| Machine Hours | 7984 | 7430 | --- | --- |
| Oil Hours | 4000 | 3500 | --- | --- |
| Oil Changed | Changed | Not Chngd | --- | --- |
| Sample Status | NORMAL | ATTENTION | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|--|--|-----|-----|
| Visc @ 40°C | cSt | ■ 54.4 | ▲ 54.4 | --- | --- |
|-------------|-----|--|--|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|---|--|-----|-----|
| Silicon | ppm | 5 | 6 | --- | --- |
| Sodium | ppm | ■ 0 | ■ 1 | --- | --- |
| Potassium | ppm | ■ 2 | ■ 1 | --- | --- |

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 | 272 | 276 | --- | --- |
| Copper | ppm | ■ 12 | ■ 11 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 1 | 2 | --- | --- |
| Chromium | ppm | 3 | 4 | --- | --- |
| Molybdenum | ppm | 9 | 9 | --- | --- |
| Nickel | ppm | 1 | 2 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 56 | 53 | --- | --- |
| Vanadium | ppm | 0 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 67 | 54 | --- | --- |
| Magnesium | ppm | 0 | <1 | --- | --- |
| Zinc | ppm | 47 | 43 | --- | --- |
| Phosphorus | ppm | 2262 | 2250 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 116 | 201 | --- | --- |

Depot: VOLVO0093
Unique No: 10526244
Signed: Wes Davis
Report Date: 24 Jun 2023



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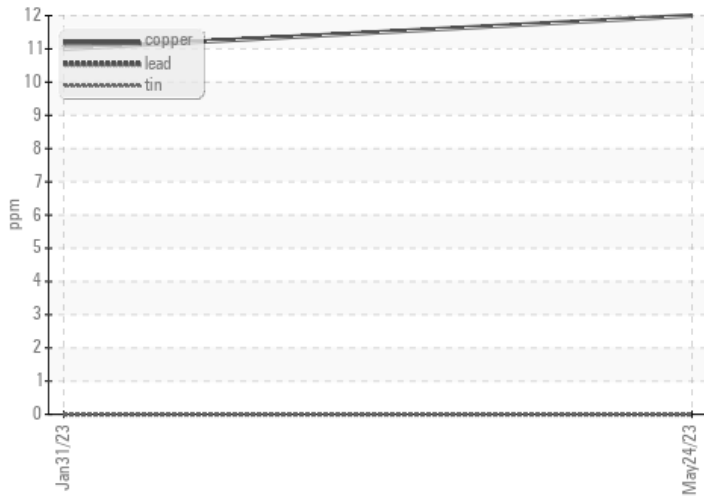


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

