



CONSTRUCTION EQUIPMENT

634625 B&C VOLVO A30 753224 - FRONT AXLE



Sample No: VCP432563
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 634625 B&C



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP432563 | VCP422356 | --- | --- |
| Sample Date | 28 Nov 2023 | 01 Jun 2023 | --- | --- |
| Machine Hours | 1304 | 514 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Not Changd | --- | --- |
| Sample Status | NORMAL | ATTENTION | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|--------|-----|-----|
| Visc @ 40°C | cSt | 85.2 | ▲ 87.3 | --- | --- |
|-------------|-----|-------------|--------|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 5 | 5 | --- | --- |
| Sodium | ppm | 2 | 2 | --- | --- |
| Potassium | ppm | 3 | 2 | --- | --- |

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. Confirm oil type. The condition of the oil is acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 351 | 252 | --- | --- |
| Copper | ppm | 25 | 15 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 1 | <1 | --- | --- |
| Aluminum | ppm | <1 | <1 | --- | --- |
| Chromium | ppm | 6 | 5 | --- | --- |
| Molybdenum | ppm | 5 | 6 | --- | --- |
| Nickel | ppm | 3 | 2 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 11 | 11 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|--------|-----|-----|
| Calcium | ppm | 878 | ▲ 1031 | --- | --- |
| Magnesium | ppm | 6 | 2 | --- | --- |
| Zinc | ppm | 394 | ▲ 402 | --- | --- |
| Phosphorus | ppm | 1292 | 1311 | --- | --- |
| Barium | ppm | 2 | 0 | --- | --- |
| Boron | ppm | 209 | 237 | --- | --- |

Depot: VOLVO0096
Unique No: 10766340
Signed: Don Baldrige
Report Date: 04 Dec 2023



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GRAPHS

