



CONSTRUCTION EQUIPMENT

607508 PRIMERIS VOLVO A40G 352491 - BOGIE/CENTER AXLE



Sample No: VCP426342
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 607508 PRIMERIS



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP426342 | VCP420216 | VCP364343 | VCP329332 |
| Sample Date | 22 Sep 2023 | 25 Apr 2023 | 15 Aug 2022 | 14 Sep 2021 |
| Machine Hours | 4299 | 3617 | 2635 | 1219 |
| Oil Hours | 3299 | 3000 | 500 | 1500 |
| Oil Changed | Changed | Not Changd | Not Changd | Not Changd |
| Sample Status | ATTENTION | ATTENTION | ABNORMAL | ATTENTION |

ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC
 8418 PALM RIVER ROAD
 TAMPA, FL
 US 33619
 Contact: KENNY HANEY
 khaney@flaglerce.com
 T: (813)630-0077
 F: (813)630-2233



OIL CONDITION

| | | | | | |
|-------------|-----|---------------|--------|--------|--------|
| Visc @ 40°C | cSt | ▲ 53.3 | ▲ 53.7 | ▲ 53.1 | ▲ 53.0 |
|-------------|-----|---------------|--------|--------|--------|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Silicon | ppm | ■ 7 | ■ 9 | ■ 7 | ■ 7 |
| Sodium | ppm | ■ 0 | ■ 0 | ■ 2 | ■ 3 |
| Potassium | ppm | ■ 4 | ■ 4 | ■ 3 | ■ 1 |

Diagnosis

No corrective action is recommended at this time. Oil and filter 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 | ■ 513 | ■ 338 | ■ 277 | ■ 306 |
| Copper | ppm | ■ 6 | ■ 6 | ■ 5 | ■ 4 |
| Lead | ppm | ■ <1 | ■ 0 | ■ 0 | ■ 0 |
| Tin | ppm | ■ 0 | ■ 0 | ■ 0 | ■ <1 |
| Aluminum | ppm | ■ 2 | ■ 0 | ■ 1 | ■ <1 |
| Chromium | ppm | ■ 7 | ■ 3 | ■ 3 | ■ 4 |
| Molybdenum | ppm | ■ 6 | ■ 6 | ■ 5 | ■ 7 |
| Nickel | ppm | ■ 2 | ■ 1 | ■ 2 | ■ <1 |
| Titanium | ppm | <1 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | ■ 18 | ■ 14 | ■ 12 | ■ 14 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|---------------|--------|------|-------|
| Calcium | ppm | ■ 22 | ■ 18 | ■ 46 | ■ 37 |
| Magnesium | ppm | ■ 3 | ■ 2 | ■ 2 | ■ 4 |
| Zinc | ppm | ■ 24 | ■ 31 | ■ 30 | ■ 32 |
| Phosphorus | ppm | ■ 2460 | ■ 2315 | 2512 | 2467 |
| Barium | ppm | ■ 9 | ■ 0 | ■ 0 | ■ 0 |
| Boron | ppm | ■ 109 | ■ 132 | ■ 96 | ■ 128 |

Depot: VOLVO0093
Unique No: 10709565
Signed: Sean Felton
Report Date: 25 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

