



CONSTRUCTION EQUIPMENT

607016 VOLVO A40F 342498 - REAR AXLE



Sample No: VCP426214
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 607016



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP426214 | VCP400031 | VCP354580 | VCP312730 |
| Sample Date | 18 Sep 2023 | 27 Feb 2023 | 15 Jun 2022 | 05 Jan 2022 |
| Machine Hours | 8432 | 7463 | 6561 | 5591 |
| Oil Hours | 4000 | 3000 | 2000 | 1500 |
| Oil Changed | Changed | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

RIPA AND ASSOCIATES
 10149 FISHER AVENUE
 TAMPA, FL
 US 33619
 Contact: PM Services
 PMServices@ripaconstruction.com
 T:
 F:

OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 285 | 281 | 242 | 245 |
|-------------|-----|------------|-----|-----|-----|

CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|---|---|
| Silicon | ppm | 6 | 6 | 2 | 4 |
| Sodium | ppm | 0 | 0 | 1 | 1 |
| Potassium | ppm | <1 | 0 | 0 | 2 |

WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 86 | 50 | 51 | 63 |
| Copper | ppm | <1 | 0 | <1 | <1 |
| Lead | ppm | <1 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | <1 |
| Aluminum | ppm | 2 | 1 | <1 | 2 |
| Chromium | ppm | <1 | <1 | <1 | 1 |
| Molybdenum | ppm | 6 | 5 | 2 | 3 |
| Nickel | ppm | <1 | 0 | 0 | 2 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 2 | 2 | 2 | 2 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |

ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|------|
| Calcium | ppm | 98 | 101 | 158 | 216 |
| Magnesium | ppm | 55 | 53 | 54 | 92 |
| Zinc | ppm | 64 | 58 | 106 | 145 |
| Phosphorus | ppm | 981 | 875 | 705 | 1078 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 184 | 158 | 137 | 191 |

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.

Depot: RIPTAM
Unique No: 10709609
Signed: Wes Davis
Report Date: 24 Oct 2023



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VOLVO GRAPHS

