



CONSTRUCTION EQUIPMENT

371606 VOLVO A40G 342484 - FRONT AXLE



Sample No: VCP298135
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 371606



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP298135 | --- | --- | --- |
| Sample Date | 11 Jul 2023 | --- | --- | --- |
| Machine Hours | 9448 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

STRONGCO EQUIPMENT-EDMONTON
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OIL CONDITION

| | | | | | |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 88.9 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|

CONTAMINATION

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

WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 198 | --- | --- | --- |
| Copper | ppm | <1 | --- | --- | --- |
| Lead | ppm | 0 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | <1 | --- | --- | --- |
| Chromium | ppm | 3 | --- | --- | --- |
| Molybdenum | ppm | 1 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 3 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 15 | --- | --- | --- |
| Magnesium | ppm | 2 | --- | --- | --- |
| Zinc | ppm | 10 | --- | --- | --- |
| Phosphorus | ppm | 445 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 17 | --- | --- | --- |

Diagnosis
 Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO3908
Unique No: 5620476
Signed: Wes Davis
Report Date: 11 Aug 2023



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GRAPHS

