



CONSTRUCTION EQUIPMENT

TUCKER VOLVO A25G 742097 - BOGIE/CENTER AXLE



Sample No: VCP451206
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: TUCKER



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP451206 | VCP386233 | VCP385522 | VCP330284 |
| Sample Date | 10 Apr 2024 | 12 Oct 2022 | 12 Oct 2022 | 23 Feb 2022 |
| Machine Hours | 7317 | 6141 | 6141 | 5157 |
| Oil Hours | 0 | 1500 | 2000 | 1000 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-------|-----|
| Visc @ 40°C | cSt | 189 | 233 | 192.7 | 194 |
|-------------|-----|------------|-----|-------|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 5 | 6 | 3 | 3 |
| Sodium | ppm | 0 | 0 | 1 | 0 |
| Potassium | ppm | 1 | 0 | 0 | 0 |

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 | 223 | 47 | 195 | 186 |
| Copper | ppm | 19 | 0 | 12 | 11 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | <1 | <1 |
| Aluminum | ppm | 1 | <1 | <1 | 1 |
| Chromium | ppm | 3 | 1 | 3 | 3 |
| Molybdenum | ppm | 6 | 3 | 5 | 5 |
| Nickel | ppm | 3 | 0 | 1 | 0 |
| Titanium | ppm | <1 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 6 | <1 | 6 | 5 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|------|
| Calcium | ppm | 61 | 78 | 51 | 52 |
| Magnesium | ppm | 16 | 22 | 14 | 16 |
| Zinc | ppm | 53 | 134 | 41 | 38 |
| Phosphorus | ppm | 1046 | 882 | 996 | 1114 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 140 | 95 | 155 | 175 |

Depot: VOLVO0093
Unique No: 11083358
Signed: Wes Davis
Report Date: 17 Jun 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

