



CONSTRUCTION EQUIPMENT

VOLVO A40G 352780 - REAR AXLE



Sample No: VCP445652
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP445652 | --- | --- | --- |
| Sample Date | 19 Mar 2024 | --- | --- | --- |
| Machine Hours | 4328 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|---------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 49.55 | --- | --- | --- |
|-------------|-----|---------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ■ 13 | --- | --- | --- |
| Sodium | ppm | ■ 0 | --- | --- | --- |
| Potassium | ppm | ■ 5 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ■ 547 | --- | --- | --- |
| Copper | ppm | ■ 5 | --- | --- | --- |
| Lead | ppm | ■ 1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 3 | --- | --- | --- |
| Chromium | ppm | ■ 8 | --- | --- | --- |
| Molybdenum | ppm | ■ 10 | --- | --- | --- |
| Nickel | ppm | ■ 2 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | <1 | --- | --- | --- |
| Manganese | ppm | ■ 20 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 52 | --- | --- | --- |
| Magnesium | ppm | ■ 4 | --- | --- | --- |
| Zinc | ppm | ■ 30 | --- | --- | --- |
| Phosphorus | ppm | ■ 2545 | --- | --- | --- |
| Barium | ppm | ■ 4 | --- | --- | --- |
| Boron | ppm | ■ 248 | --- | --- | --- |

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. The oil viscosity is lower than normal. Confirm oil type.

Depot: VOLVO0090
Unique No: 10942425
Signed: Jonathan Hester
Report Date: 01 Apr 2024



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GRAPHS

