



CONSTRUCTION EQUIPMENT

687353 ANSBRO VOLVO EC380 3 14835 - REAR RIGHT FINAL DRIVE



Sample No: VCP444022
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 687353 ANSBRO



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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP444022 | VCP429774 | --- | --- |
| Sample Date | 11 Mar 2024 | 16 Oct 2023 | --- | --- |
| Machine Hours | 1288 | 625 | --- | --- |
| Oil Hours | 1288 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | ATTENTION | NORMAL | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 286 | ■ 165 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | ■ 32 | ■ 24 | --- | --- |
| Sodium | ppm | ■ 0 | ■ 4 | --- | --- |
| Potassium | ppm | ■ 0 | ■ <1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-------|-----|-----|
| Iron | ppm | ■ 124 | ■ 213 | --- | --- |
| Copper | ppm | ■ 0 | ■ <1 | --- | --- |
| Lead | ppm | ■ 0 | ■ 0 | --- | --- |
| Tin | ppm | ■ 0 | ■ 0 | --- | --- |
| Aluminum | ppm | ■ 1 | ■ 2 | --- | --- |
| Chromium | ppm | ■ 6 | ■ 7 | --- | --- |
| Molybdenum | ppm | ■ <1 | 0 | --- | --- |
| Nickel | ppm | ■ <1 | ■ 0 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | ■ 2 | 4 | --- | --- |
| Vanadium | ppm | <1 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 5 | 18 | --- | --- |
| Magnesium | ppm | ■ 1 | 1 | --- | --- |
| Zinc | ppm | ■ 8 | 15 | --- | --- |
| Phosphorus | ppm | ■ 1019 | 295 | --- | --- |
| Barium | ppm | ■ 2 | 4 | --- | --- |
| Boron | ppm | ■ 139 | 0 | --- | --- |

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 higher than normal. Confirm oil type.

Depot: VOLVO0093
Unique No: 10976313
Signed: Don Baldrige
Report Date: 15 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

