



CONSTRUCTION EQUIPMENT

344318 MOSIAC VOLVO EC480EL 314507 - REAR RIGHT FINAL DRIVE



Sample No: VCP350180
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 344318 MOSIAC



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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP350180 | --- | --- | --- |
| Sample Date | 03 Feb 2022 | --- | --- | --- |
| Machine Hours | 1118 | --- | --- | --- |
| Oil Hours | 500 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 165 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-------|-----|-----|-----|
| Silicon | ppm | █ 280 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | ▲ 2439 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 18 | --- | --- | --- |
| Chromium | ppm | ▲ 43 | --- | --- | --- |
| Molybdenum | ppm | █ 6 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | █ 2 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 21 | --- | --- | --- |
| Vanadium | ppm | █ 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 69 | --- | --- | --- |
| Magnesium | ppm | █ 7 | --- | --- | --- |
| Zinc | ppm | █ 28 | --- | --- | --- |
| Phosphorus | ppm | █ 252 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 2 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0093
Unique No: 9879811
Signed: Jonathan Hester
Report Date: 09 Mar 2022



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

