



CONSTRUCTION EQUIPMENT

MARTIN MARIETTA VOLVO EC480E 311274 - RIGHT SWING DRIVE



Sample No: VCP392674
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No: MARTIN MARIETTA



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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP392674 | --- | --- | --- |
| Sample Date | 26 Sep 2023 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 156 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | █ 16 | --- | --- | --- |
| Sodium | ppm | █ 2 | --- | --- | --- |
| Potassium | ppm | █ 53 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 592 | --- | --- | --- |
| Copper | ppm | ▲ 115 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 4 | --- | --- | --- |
| Chromium | ppm | █ 4 | --- | --- | --- |
| Molybdenum | ppm | █ 1 | --- | --- | --- |
| Nickel | ppm | █ <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 7 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 48 | --- | --- | --- |
| Magnesium | ppm | █ 6 | --- | --- | --- |
| Zinc | ppm | █ 133 | --- | --- | --- |
| Phosphorus | ppm | █ 712 | --- | --- | --- |
| Barium | ppm | █ 0 | --- | --- | --- |
| Boron | ppm | █ 50 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other 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.

Depot: VOLVO0088
Unique No: 10669669
Signed: Don Baldrige
Report Date: 29 Sep 2023



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GRAPHS

