



CONSTRUCTION EQUIPMENT

X59196 VOLVO SDLG L959F 640017 - REAR LEFT FINAL DRIVE



Sample No: VCP440824
Oil Type: GEAR OIL SAE 80W90
Job No: X59196



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP440824 | --- | --- | --- |
| Sample Date | 06 Feb 2024 | --- | --- | --- |
| Machine Hours | 2499 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 134 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | █ 20 | --- | --- | --- |
| Sodium | ppm | █ 10 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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.



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | █ 443 | --- | --- | --- |
| Copper | ppm | ▲ 83 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 4 | --- | --- | --- |
| Aluminum | ppm | █ 3 | --- | --- | --- |
| Chromium | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | █ 8 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | █ 0 | --- | --- | --- |
| Magnesium | ppm | █ 5 | --- | --- | --- |
| Zinc | ppm | █ 73 | --- | --- | --- |
| Phosphorus | ppm | █ 1027 | --- | --- | --- |
| Barium | ppm | █ 4 | --- | --- | --- |
| Boron | ppm | █ 84 | --- | --- | --- |

Depot: SCOSAI
Unique No: 10870301
Signed: Sean Felton
Report Date: 09 Feb 2024


