



CONSTRUCTION EQUIPMENT

714189 HERC VOLVO EC200 314670 - REAR LEFT FINAL DRIVE



Sample No: VCP449748
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 714189 HERC



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP449748 | VCP451293 | --- | --- |
| Sample Date | 01 May 2024 | 21 Apr 2024 | --- | --- |
| Machine Hours | 644 | 746 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Not Chngd | Not Chngd | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 159 | 162 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 34 | 15 | --- | --- |
| Sodium | ppm | 2 | 0 | --- | --- |
| Potassium | ppm | 6 | 5 | --- | --- |

Diagnosis

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 252 | 328 | --- | --- |
| Copper | ppm | 6 | 2 | --- | --- |
| Lead | ppm | 1 | <1 | --- | --- |
| Tin | ppm | 1 | <1 | --- | --- |
| Aluminum | ppm | 3 | 2 | --- | --- |
| Chromium | ppm | 3 | 4 | --- | --- |
| Molybdenum | ppm | 1 | 1 | --- | --- |
| Nickel | ppm | 2 | 2 | --- | --- |
| Titanium | ppm | <1 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 5 | 6 | --- | --- |
| Vanadium | ppm | <1 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 13 | 79 | --- | --- |
| Magnesium | ppm | 1 | 1 | --- | --- |
| Zinc | ppm | 17 | 35 | --- | --- |
| Phosphorus | ppm | 313 | 236 | --- | --- |
| Barium | ppm | 0 | 2 | --- | --- |
| Boron | ppm | 0 | <1 | --- | --- |

Depot: VOLVO0096
Unique No: 11019021
Signed: Don Baldrige
Report Date: 10 May 2024



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GRAPHS

