



CONSTRUCTION EQUIPMENT

715284 SENNEBOGEN 840E 840.0.2242 - FRONT LEFT FINAL DRIVE



Sample No: VCP452786
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 715284



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP452786 | VCP429346 | VCP379931 | --- |
| Sample Date | 10 May 2024 | 04 Oct 2023 | 15 Feb 2023 | --- |
| Machine Hours | 6378 | 5029 | 3811 | --- |
| Oil Hours | 1000 | 1000 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE
 DETROIT, MI
 US 48207

Contact: KEITH HALL
 keith.hall@fpt1.com

T:
 F:



OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 135 | 137 | 164 | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | --- |
|-----------|-----|--------------|-----|-----|-----|
| Silicon | ppm | <1 | 2 | 3 | --- |
| Sodium | ppm | <1 | 0 | 1 | --- |
| Potassium | ppm | 0 | 1 | 0 | --- |

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 | 49 | 55 | 77 | --- |
| Copper | ppm | 4 | 1 | 7 | --- |
| Lead | ppm | 0 | 0 | 0 | --- |
| Tin | ppm | <1 | <1 | 0 | --- |
| Aluminum | ppm | 0 | <1 | <1 | --- |
| Chromium | ppm | 0 | <1 | 0 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | 0 | <1 | 0 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | <1 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|------|-----|
| Calcium | ppm | 0 | 36 | 16 | --- |
| Magnesium | ppm | 0 | 25 | 7 | --- |
| Zinc | ppm | 4 | 29 | 37 | --- |
| Phosphorus | ppm | 482 | 779 | 1389 | --- |
| Barium | ppm | 0 | 31 | 139 | --- |
| Boron | ppm | 4 | 19 | 69 | --- |

Depot: FERDET
Unique No: 11034543
Signed: Sean Felton
Report Date: 21 May 2024



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GRAPHS

