



CONSTRUCTION EQUIPMENT

CHRIS DULIN VOLVO 5.7 GXF 5.7 GXF (S/N NOT GIVEN) - CENTER DIESEL ENGINE



Sample No: VCP049782
Oil Type: NOT GIVEN
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP049782 | --- | --- | --- |
| Sample Date | 19 Aug 2023 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 1 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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US 16657
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T:
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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C | cSt | ▲ 10.7 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | ■ 7.7 | --- | --- | --- |
| Oxidation (PA) | % | ■ 31 | --- | --- | --- |

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Light fuel dilution occurring. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



CONTAMINATION

| | | | | | |
|----------------|-----|-------|-----|-----|-----|
| Soot % | % | ■ 0 | --- | --- | --- |
| Nitration (PA) | % | ■ 42 | --- | --- | --- |
| Sulfation (PA) | % | ■ 39 | --- | --- | --- |
| Glycol | % | ■ NEG | --- | --- | --- |
| Fuel | % | ▲ 4.4 | --- | --- | --- |
| Silicon | ppm | ■ 11 | --- | --- | --- |
| Sodium | ppm | ■ 1 | --- | --- | --- |
| Potassium | ppm | ■ 4 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ■ 6 | --- | --- | --- |
| Copper | ppm | ■ 15 | --- | --- | --- |
| Lead | ppm | ■ <1 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 2 | --- | --- | --- |
| Chromium | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ 20 | --- | --- | --- |
| Nickel | ppm | ■ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | ■ <1 | --- | --- | --- |
| Manganese | ppm | ■ 3 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 1350 | --- | --- | --- |
| Magnesium | ppm | ■ 384 | --- | --- | --- |
| Zinc | ppm | ■ 797 | --- | --- | --- |
| Phosphorus | ppm | ■ 660 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 0 | --- | --- | --- |

Depot: VP410493
Unique No: 10608037
Signed: Jonathan Hester
Report Date: 22 Aug 2023



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GRAPHS

