



CONSTRUCTION EQUIPMENT

VOLVO A25G 752974 - DIESEL ENGINE



Sample No: VCP403068

Oil Type: {unknown}

Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP403068 | --- | --- | --- |
| Sample Date | 14 Feb 2024 | --- | --- | --- |
| Machine Hours | 528 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|------------------|----------|------|-----|-----|-----|
| Visc @ 100°C | cSt | 10.9 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | 6.6 | --- | --- | --- |
| Oxidation (PA) | % | 59 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|----------------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Soot % | % | 0.2 | --- | --- | --- |
| Nitration (PA) | % | 80 | --- | --- | --- |
| Sulfation (PA) | % | 52 | --- | --- | --- |
| Glycol | % | NEG | --- | --- | --- |
| Fuel | % | 0.6 | --- | --- | --- |
| Silicon | ppm | 26 | --- | --- | --- |
| Sodium | ppm | 3 | --- | --- | --- |
| Potassium | ppm | 3 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Iron | ppm | 18 | --- | --- | --- |
| Copper | ppm | 505 | --- | --- | --- |
| Lead | ppm | 5 | --- | --- | --- |
| Tin | ppm | 2 | --- | --- | --- |
| Aluminum | ppm | 2 | --- | --- | --- |
| Chromium | ppm | <1 | --- | --- | --- |
| Molybdenum | ppm | 77 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | <1 | --- | --- | --- |
| Manganese | ppm | 4 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1869 | --- | --- | --- |
| Magnesium | ppm | 162 | --- | --- | --- |
| Zinc | ppm | 1170 | --- | --- | --- |
| Phosphorus | ppm | 1000 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 27 | --- | --- | --- |



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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VOLVO0095
Unique No: 10884413
Signed: Jonathan Hester
Report Date: 20 Feb 2024



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GRAPHS

