



CONSTRUCTION EQUIPMENT

SWA560078-10 VOLVO L180H 5412 - REAR AXLE



Sample No: VCP430308
Oil Type: VOLVO WB 102
Job No: SWA560078-10



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP430308 | VCP442817 | VCP396103 | VCP374137 |
| Sample Date | 16 May 2024 | 07 Feb 2024 | 01 Feb 2023 | 18 Jun 2022 |
| Machine Hours | 9182 | 7046 | 6657 | 4250 |
| Oil Hours | 1000 | 0 | 6657 | 0 |
| Oil Changed | Not Changd | N/A | Changed | Not Changd |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 41.9 | 43.4 | 39.8 | 39.5 |
|-------------|-----|-------------|------|------|------|

T:
F:



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 19 | 15 | 15 | 15 |
| Sodium | ppm | 0 | 3 | 9 | 9 |
| Potassium | ppm | 2 | 0 | <1 | 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 | 58 | 97 | 187 | 77 |
| Copper | ppm | 5 | 2 | 5 | 8 |
| Lead | ppm | <1 | 0 | 1 | 1 |
| Tin | ppm | <1 | 0 | <1 | <1 |
| Aluminum | ppm | 1 | <1 | <1 | 1 |
| Chromium | ppm | 2 | 2 | 5 | 3 |
| Molybdenum | ppm | 2 | 0 | 2 | 2 |
| Nickel | ppm | <1 | 0 | 2 | <1 |
| Titanium | ppm | <1 | 0 | <1 | <1 |
| Silver | ppm | 1 | 0 | 0 | <1 |
| Manganese | ppm | 2 | 2 | 6 | 5 |
| Vanadium | ppm | <1 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|------|------|------|
| Calcium | ppm | 4106 | 3735 | 4091 | 3343 |
| Magnesium | ppm | 16 | 16 | 20 | 14 |
| Zinc | ppm | 1656 | 1525 | 1668 | 1325 |
| Phosphorus | ppm | 1307 | 1285 | 1232 | 1187 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 140 | 136 | 139 | 123 |

Depot: CALEAS
Unique No: 11048078
Signed: Wes Davis
Report Date: 29 May 2024



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VOLVO GRAPHS

