



CONSTRUCTION EQUIPMENT

701444 GENERAL ASP VOLVO L110H 632418 - REAR AXLE



Sample No: VCP444181
Oil Type: VOLVO WB 102
Job No: 701444 GENERAL ASP



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SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | VCP444181 | VCP440277 | --- | --- |
| Sample Date | 15 Apr 2024 | 20 Sep 2023 | --- | --- |
| Machine Hours | 2034 | 1167 | --- | --- |
| Oil Hours | 2034 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | 41.5 | 40.6 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | 19 | 27 | --- | --- |
| Sodium | ppm | 2 | 10 | --- | --- |
| Potassium | ppm | 0 | 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|-----|-----|
| Iron | ppm | 137 | 170 | --- | --- |
| Copper | ppm | <1 | <1 | --- | --- |
| Lead | ppm | 0 | 0 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 0 | 3 | --- | --- |
| Chromium | ppm | 3 | 4 | --- | --- |
| Molybdenum | ppm | 5 | 11 | --- | --- |
| Nickel | ppm | 0 | <1 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | 6 | 9 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 3938 | 3984 | --- | --- |
| Magnesium | ppm | 24 | 10 | --- | --- |
| Zinc | ppm | 1547 | 1639 | --- | --- |
| Phosphorus | ppm | 1242 | 1299 | --- | --- |
| Barium | ppm | 0 | 0 | --- | --- |
| Boron | ppm | 156 | 127 | --- | --- |

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.

Depot: VOLVO0093
Unique No: 11031768
Signed: Wes Davis
Report Date: 16 May 2024



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GRAPHS

