



CONSTRUCTION EQUIPMENT

GBW601 IAA UNIT1 VOLVO L90H 624060 - REAR AXLE



Sample No: VCP245043
Oil Type: NOT GIVEN
Job No: GBW601 IAA UNIT1



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP245043 | VCP226548 | VCP226132 | VCP230368 |
| Sample Date | 25 Jun 2019 | 11 Jan 2019 | 13 Oct 2018 | 11 May 2018 |
| Machine Hours | 4478 | 3227 | 0 | 1724 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | N/A | N/A |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------------|------|-------|-------|
| Visc @ 40°C | cSt | 40.19 | 40.7 | 105.3 | 40.65 |
|-------------|-----|--------------|------|-------|-------|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 17 | 14 | 13 | 11 |
| Sodium | ppm | 7 | 2 | 2 | 3 |
| Potassium | ppm | <1 | 2 | 3 | 0 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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 | 20 | 114 | 83 | 85 |
| Copper | ppm | 3 | 27 | 20 | 53 |
| Lead | ppm | <1 | 0 | <1 | <1 |
| Tin | ppm | 0 | 0 | 1 | 2 |
| Aluminum | ppm | 1 | 2 | 2 | <1 |
| Chromium | ppm | <1 | 2 | 2 | 2 |
| Molybdenum | ppm | 0 | 0 | <1 | 0 |
| Nickel | ppm | <1 | 2 | <1 | 1 |
| Titanium | ppm | 0 | 1 | <1 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 2 | 2 | 3 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 3919 | 4302 | 4349 | 3974 |
| Magnesium | ppm | 16 | 15 | 13 | 13 |
| Zinc | ppm | 1503 | 1625 | 1658 | 1586 |
| Phosphorus | ppm | 1279 | 1229 | 1352 | 1301 |
| Barium | ppm | 0 | <1 | 0 | 0 |
| Boron | ppm | 113 | 115 | 118 | 109 |

Depot: VOLVO6174
Unique No: 8653841
Signed: Wes Davis
Report Date: 03 Jul 2019



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GRAPHS

