



CONSTRUCTION EQUIPMENT

52214 IAA VOLVO L90H 623642 - REAR AXLE



Sample No: VCP446595
Oil Type: VOLVO WET BRAKE TRANSAXLE OIL
Job No: 52214 IAA



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP446595 | VCP363842 | VCP344634 | VCP291558 |
| Sample Date | 03 Apr 2024 | 04 Jan 2023 | 29 Oct 2021 | 10 Nov 2020 |
| Machine Hours | 12482 | 10471 | 8405 | 6393 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | N/A | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

VCES- VOLVO CONSTRUCTION EQUIPMENT
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OIL CONDITION

| | | | | | |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | 54.5 | 43.3 | 40.6 | 40.5 |
|-------------|-----|-------------|------|------|------|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon | ppm | 18 | 19 | 18 | 16 |
| Sodium | ppm | 3 | 2 | 3 | 3 |
| Potassium | ppm | 0 | 0 | <1 | 1 |

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 | 32 | 16 | 67 | 69 |
| Copper | ppm | 51 | 5 | 12 | 15 |
| Lead | ppm | 0 | <1 | <1 | <1 |
| Tin | ppm | <1 | <1 | 1 | 2 |
| Aluminum | ppm | 2 | 2 | 3 | 0 |
| Chromium | ppm | 0 | <1 | <1 | 1 |
| Molybdenum | ppm | 16 | <1 | <1 | <1 |
| Nickel | ppm | 0 | <1 | 0 | <1 |
| Titanium | ppm | 0 | 0 | <1 | <1 |
| Silver | ppm | 0 | <1 | <1 | 0 |
| Manganese | ppm | 1 | <1 | 1 | 1 |
| Vanadium | ppm | 0 | 0 | <1 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 2848 | 4394 | 4236 | 3889 |
| Magnesium | ppm | 214 | 19 | 13 | 11 |
| Zinc | ppm | 1388 | 1742 | 1602 | 1495 |
| Phosphorus | ppm | 1167 | 1344 | 1348 | 1297 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 102 | 133 | 139 | 134 |

Depot: VOLVO4487
Unique No: 10967319
Signed: Don Baldrige
Report Date: 11 Apr 2024

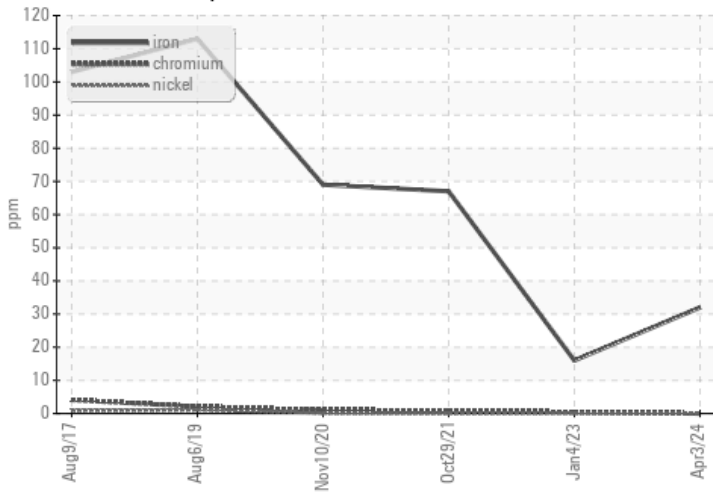


CONSTRUCTION EQUIPMENT

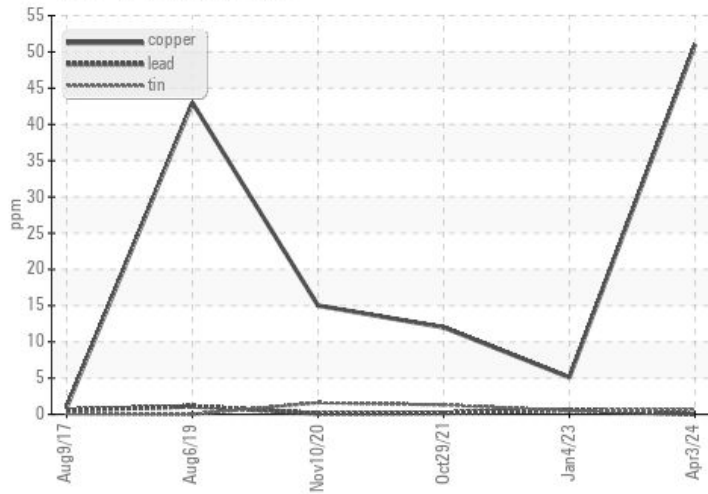


VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

