



CONSTRUCTION EQUIPMENT

W02007468 VOLVO A45G 352364 - HYDRAULIC SYSTEM



Sample No: VCP418756
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: W02007468



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP418756 | --- | --- | --- |
| Sample Date | 28 Aug 2023 | --- | --- | --- |
| Machine Hours | 4016 | --- | --- | --- |
| Oil Hours | 4000 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 42.2 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.45 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|------------|-----|-----|-----|
| Particles >4µm | | █ 460 | --- | --- | --- |
| Particles >6µm | | █ 131 | --- | --- | --- |
| Particles >14µm | | █ 13 | --- | --- | --- |
| ISO 4406:1999 (c) | | █ 16/14/11 | --- | --- | --- |
| Silicon | ppm | █ 7 | --- | --- | --- |
| Sodium | ppm | █ 0 | --- | --- | --- |
| Potassium | ppm | █ 1 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 9 | --- | --- | --- |
| Copper | ppm | █ 4 | --- | --- | --- |
| Lead | ppm | █ 3 | --- | --- | --- |
| Tin | ppm | █ <1 | --- | --- | --- |
| Aluminum | ppm | █ 2 | --- | --- | --- |
| Chromium | ppm | █ 0 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | █ 0 | --- | --- | --- |
| Silver | ppm | █ 0 | --- | --- | --- |
| Manganese | ppm | █ 0 | --- | --- | --- |
| Vanadium | ppm | █ 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Calcium | ppm | █ 292 | --- | --- | --- |
| Magnesium | ppm | █ 3 | --- | --- | --- |
| Zinc | ppm | █ 476 | --- | --- | --- |
| Phosphorus | ppm | █ 370 | --- | --- | --- |
| Barium | ppm | █ 2 | --- | --- | --- |
| Boron | ppm | █ 6 | --- | --- | --- |

Depot: VOLVO0002
Unique No: 10631302
Signed: Wes Davis
Report Date: 05 Sep 2023

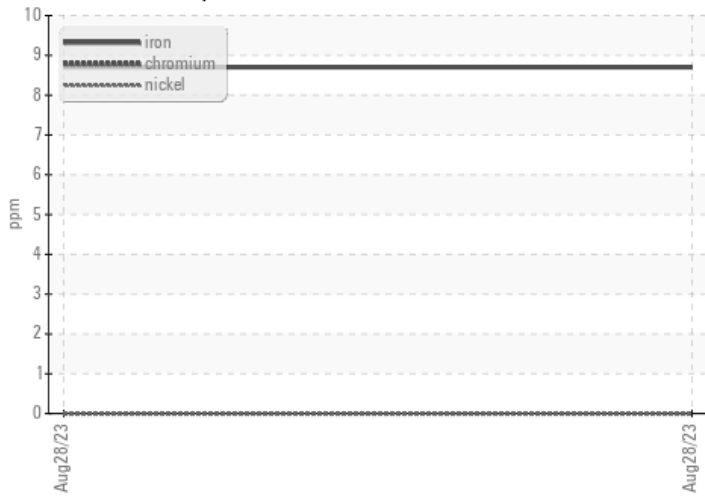


CONSTRUCTION EQUIPMENT

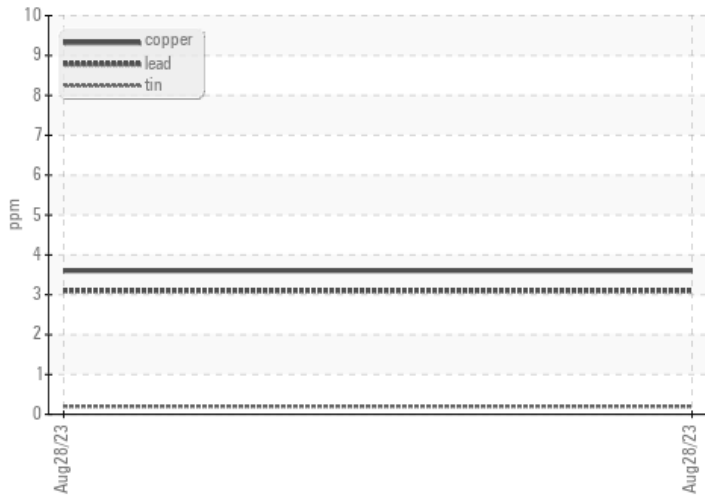


GRAPHS

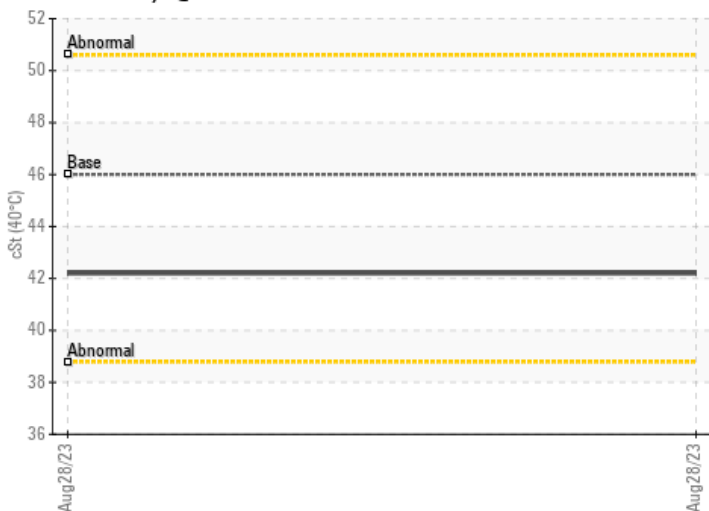
Ferrous Alloys



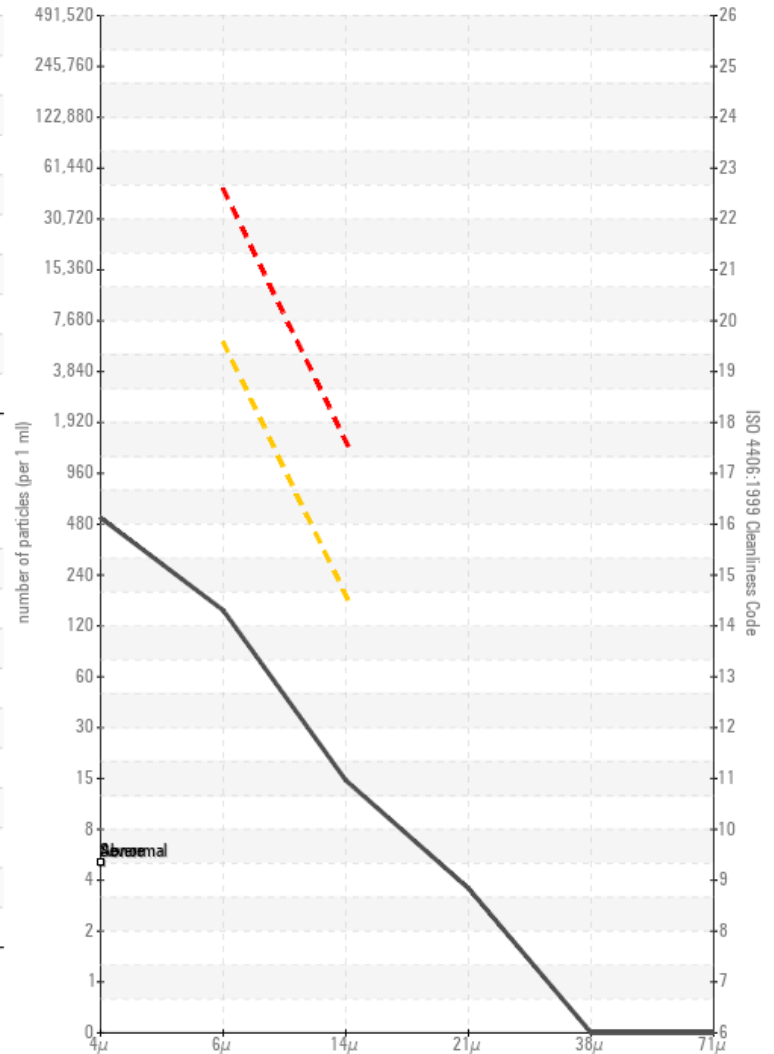
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

