



CONSTRUCTION EQUIPMENT

CEMEX VOLVO L90H 624746 - HYDRAULIC SYSTEM



Sample No: VCP416259
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: CEMEX



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP416259 | --- | --- | --- |
| Sample Date | 29 Aug 2023 | --- | --- | --- |
| Machine Hours | 10617 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | N/A | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |

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 US 78570
 Contact: FREDDY MONTIEL
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 T: (956)565-0100
 F:

OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 44.6 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | ■ 0.83 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Particles >4µm | | ▲ 9469 | --- | --- | --- |
| Particles >6µm | | ■ 884 | --- | --- | --- |
| Particles >14µm | | ■ 17 | --- | --- | --- |
| ISO 4406:1999 (c) | | 20/17/11 | --- | --- | --- |
| Silicon | ppm | ■ 6 | --- | --- | --- |
| Sodium | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 2 | --- | --- | --- |

Diagnosis
 No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ■ 10 | --- | --- | --- |
| Copper | ppm | ■ 2 | --- | --- | --- |
| Lead | ppm | ■ 2 | --- | --- | --- |
| Tin | ppm | ■ <1 | --- | --- | --- |
| Aluminum | ppm | ■ 2 | --- | --- | --- |
| Chromium | ppm | ■ 1 | --- | --- | --- |
| Molybdenum | ppm | ■ 1 | --- | --- | --- |
| Nickel | ppm | ■ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ■ 0 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ■ 1087 | --- | --- | --- |
| Magnesium | ppm | ■ 13 | --- | --- | --- |
| Zinc | ppm | ■ 688 | --- | --- | --- |
| Phosphorus | ppm | ■ 525 | --- | --- | --- |
| Barium | ppm | ■ 0 | --- | --- | --- |
| Boron | ppm | ■ 31 | --- | --- | --- |

Depot: VOLVO8737
Unique No: 10658783
Signed: Don Baldrige
Report Date: 22 Sep 2023

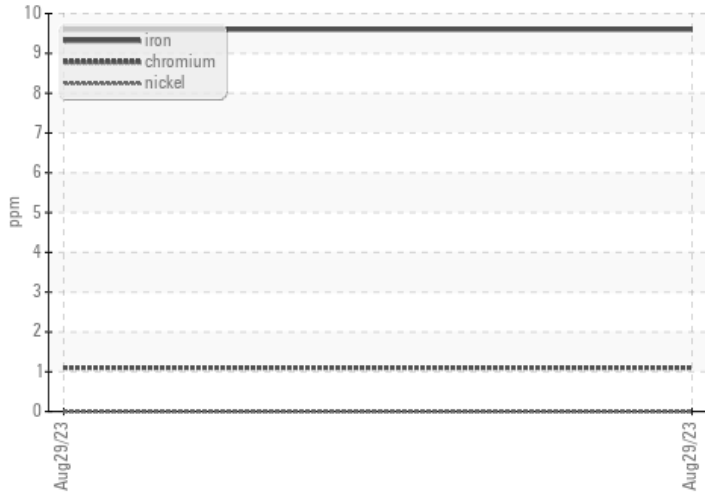


CONSTRUCTION EQUIPMENT



GRAPHS

Ferrous Alloys



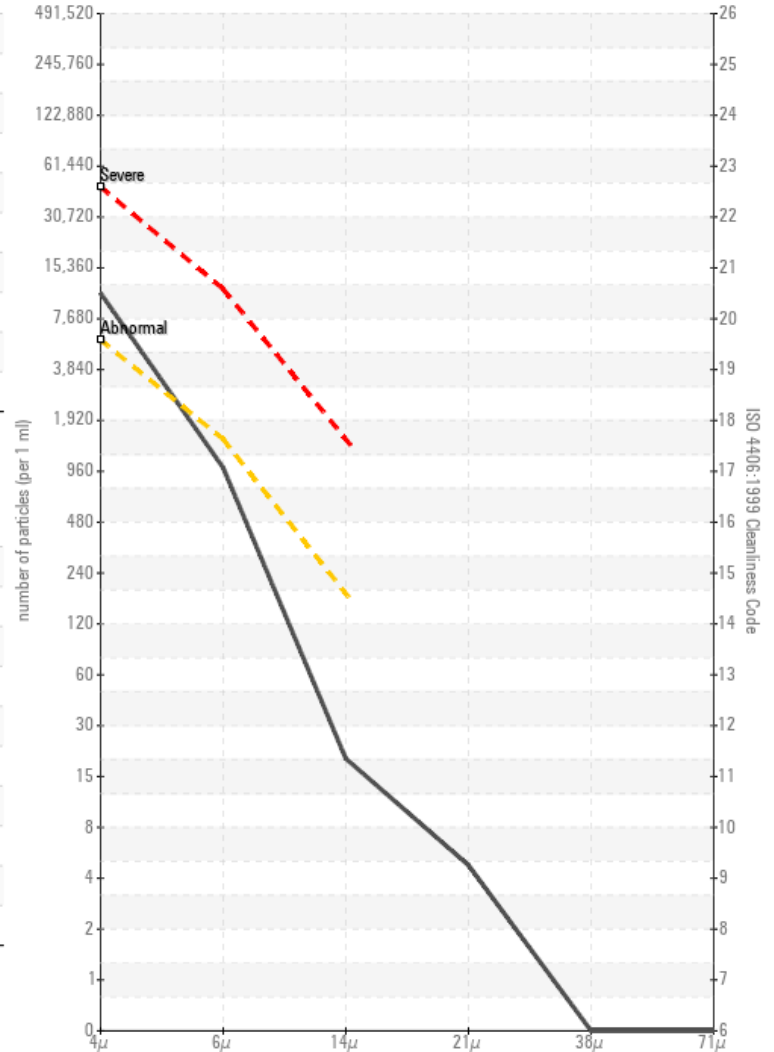
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

