



CONSTRUCTION EQUIPMENT

224923 ASH GROVE VOLVO L220H 3292 - HYDRAULIC SYSTEM



Sample No: VCP426771
Oil Type: NOT GIVEN
Job No: 224923 ASH GROVE



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP426771 | --- | --- | --- |
| Sample Date | 21 Jun 2023 | --- | --- | --- |
| Machine Hours | 6996 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

PACWEST MACHINERY
8207 SOUTH 216TH STREET
KENT, WA
US 98032
Contact: DAN SLAGLE
dslagle@pacwestmachinery.com
T: (206)482-4179
F: (509)534-5286

OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 41.0 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.43 | --- | --- | --- |

CONTAMINATION

| | | | | | |
|-------------------|-----|------------|-----|-----|-----|
| Particles >4µm | | █ 11748 | --- | --- | --- |
| Particles >6µm | | ▲ 2655 | --- | --- | --- |
| Particles >14µm | | ▲ 173 | --- | --- | --- |
| ISO 4406:1999 (c) | | █ 21/19/15 | --- | --- | --- |
| Silicon | ppm | █ 3 | --- | --- | --- |
| Sodium | ppm | █ 5 | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 7 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ 0 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ <1 | --- | --- | --- |
| Chromium | ppm | █ 1 | --- | --- | --- |
| Molybdenum | ppm | <1 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 52 | --- | --- | --- |
| Magnesium | ppm | 0 | --- | --- | --- |
| Zinc | ppm | 430 | --- | --- | --- |
| Phosphorus | ppm | 331 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 0 | --- | --- | --- |

Depot: VOLVO1271
Unique No: 10539461
Signed: Wes Davis
Report Date: 05 Jul 2023

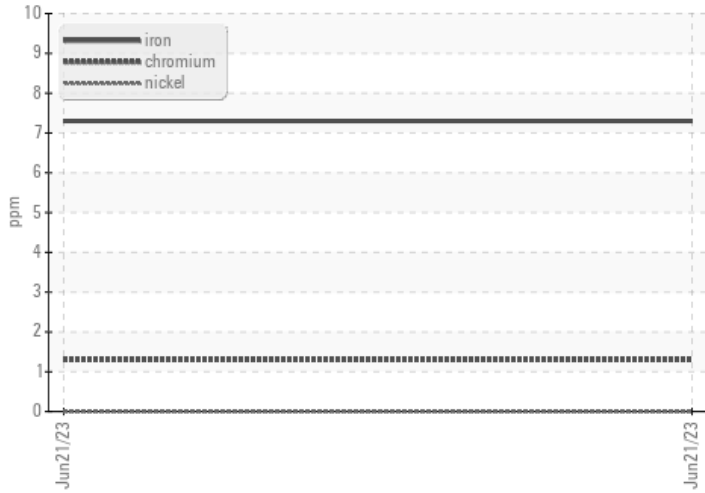


CONSTRUCTION EQUIPMENT

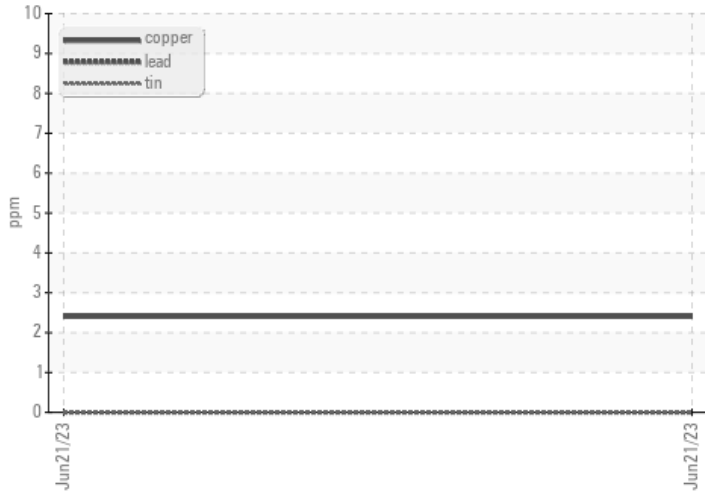


GRAPHS

Ferrous Alloys



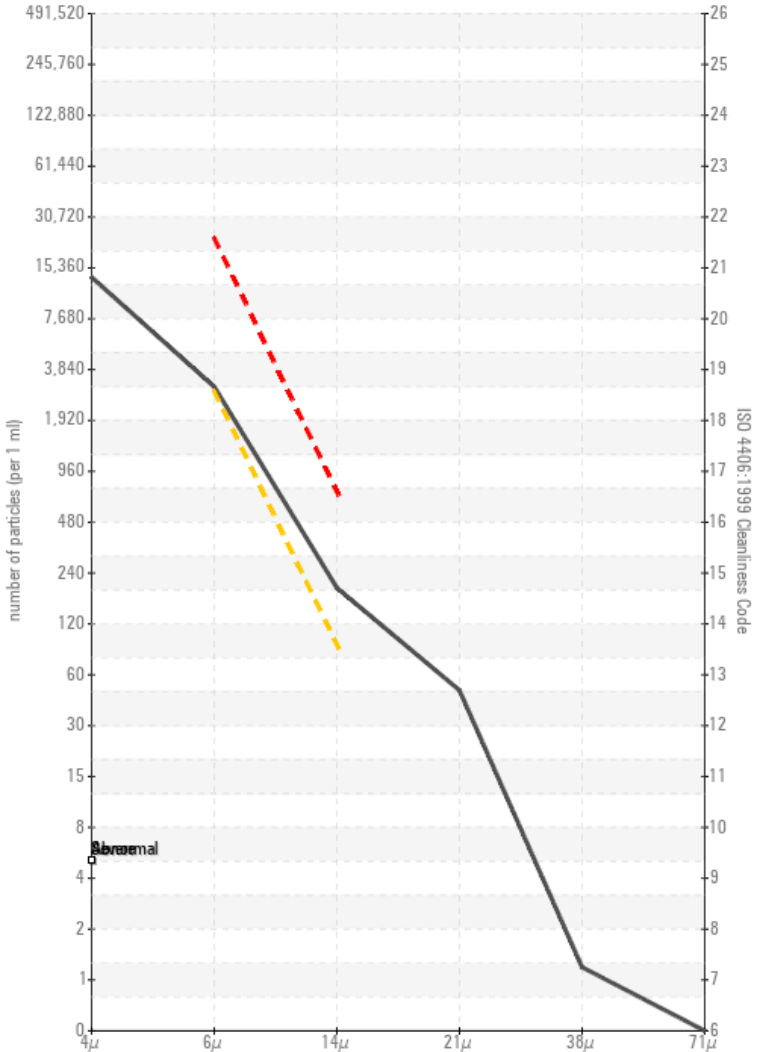
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

