



# CONSTRUCTION EQUIPMENT

## SPM366789 FH PASCHEN VOLVO L90H 625532 - HYDRAULIC SYSTEM



**Sample No:** VCP334828  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM366789 FH PASCHEN



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP334828   | --- | --- | --- |
| Sample Date   | 08 Feb 2022 | --- | --- | --- |
| Machine Hours | 2699        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

### FH PASCHEN

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 F:



### OIL CONDITION

|                  |          |         |     |     |     |
|------------------|----------|---------|-----|-----|-----|
| Visc @ 40°C      | cSt      | █ 43.0  | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.270 | --- | --- | --- |



### CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Particles >4µm    |     | ▲ 12503  | --- | --- | --- |
| Particles >6µm    |     | █ 314    | --- | --- | --- |
| Particles >14µm   |     | █ 21     | --- | --- | --- |
| ISO 4406:1999 (c) |     | 21/15/12 | --- | --- | --- |
| Silicon           | ppm | █ 5      | --- | --- | --- |
| Sodium            | ppm | █ 0      | --- | --- | --- |
| Potassium         | ppm | █ <1     | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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 acceptable for the time in service.



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 6  | --- | --- | --- |
| Copper     | ppm | █ 2  | --- | --- | --- |
| Lead       | ppm | █ 1  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 0  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 65  | --- | --- | --- |
| Magnesium  | ppm | █ 4   | --- | --- | --- |
| Zinc       | ppm | █ 442 | --- | --- | --- |
| Phosphorus | ppm | █ 340 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 1   | --- | --- | --- |

**Depot:** FHPCHIL  
**Unique No:** 9854352  
**Signed:** Don Baldrige  
**Report Date:** 17 Feb 2022

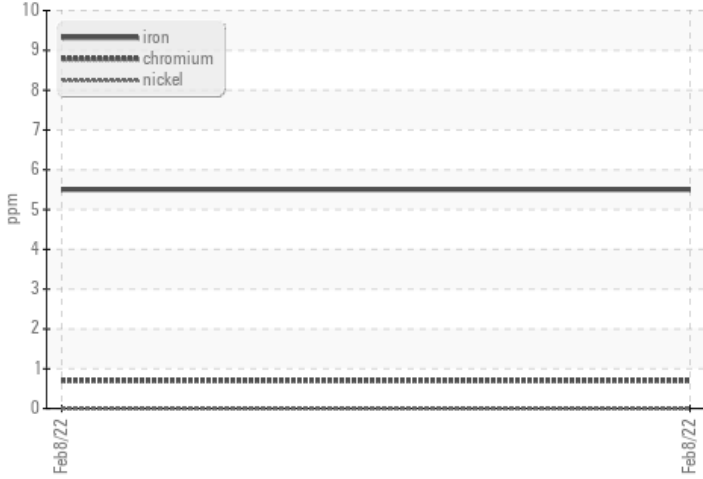


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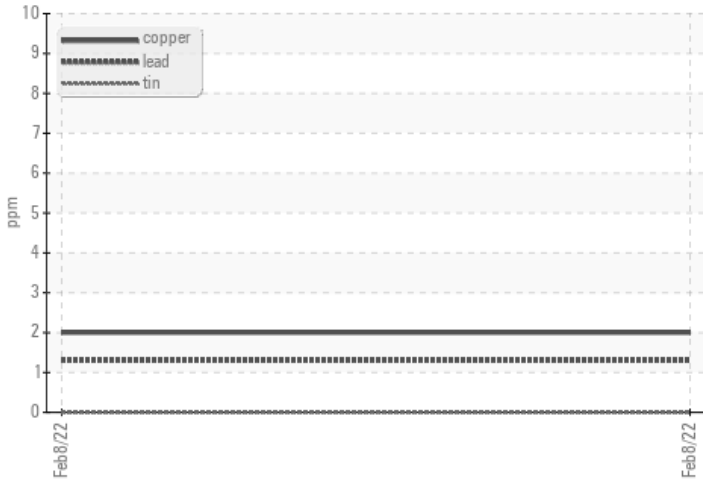


## VOLVO GRAPHS

### Ferrous Alloys



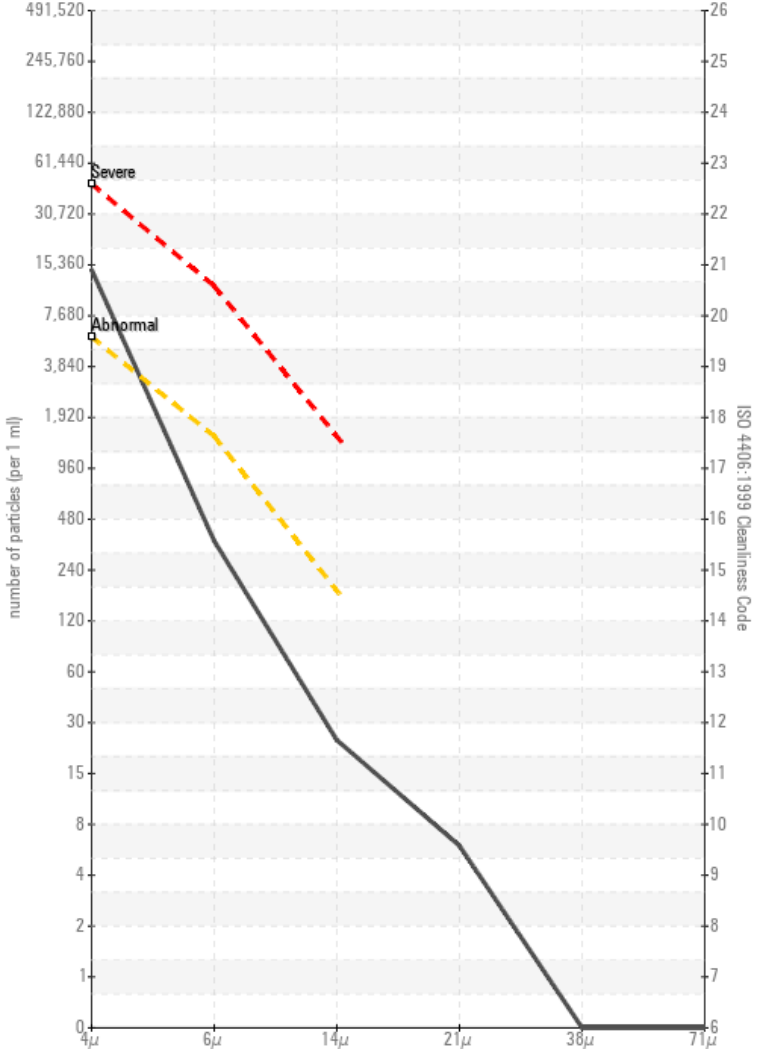
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

