



CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 2279 - HYDRAULIC SYSTEM



Sample No: VCP382208
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: TRANSPORT LEASING



SAMPLE INFORMATION

Sample Number	VCP382208	VCP320156	---	---
Sample Date	28 Aug 2023	09 Feb 2022	---	---
Machine Hours	19900	16227	---	---
Oil Hours	0	4000	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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OIL CONDITION

Visc @ 40°C	cSt	45.3	43.2	---	---
Acid Number (AN)	mg KOH/g	0.49	0.79	---	---



CONTAMINATION

Particles >4µm		▲ 8851	▲ 6466	---	---
Particles >6µm		▲ 1767	▲ 1346	---	---
Particles >14µm		■ 118	■ 106	---	---
ISO 4406:1999 (c)		20/18/14	20/18/14	---	---
Silicon	ppm	■ 10	■ 9	---	---
Sodium	ppm	■ 2	■ 12	---	---
Potassium	ppm	■ 1	■ <1	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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	■ 11	■ 23	---	---
Copper	ppm	■ 2	■ 3	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 2	■ 3	---	---
Chromium	ppm	■ <1	■ 1	---	---
Molybdenum	ppm	■ 6	■ 1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	■ 222	■ 155	---	---
Magnesium	ppm	46	■ 13	---	---
Zinc	ppm	■ 453	■ 422	---	---
Phosphorus	ppm	■ 358	■ 340	---	---
Barium	ppm	■ 2	■ 0	---	---
Boron	ppm	■ 6	■ 3	---	---

Depot: VOLVO1835
Unique No: 10632719
Signed: Wes Davis
Report Date: 06 Sep 2023

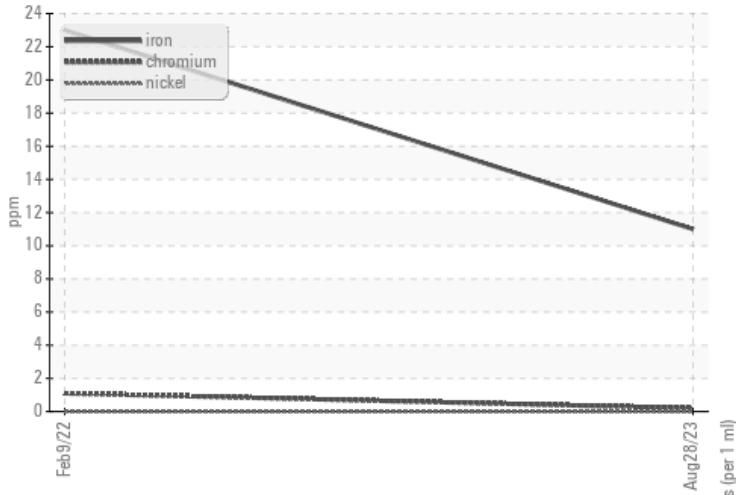


CONSTRUCTION EQUIPMENT

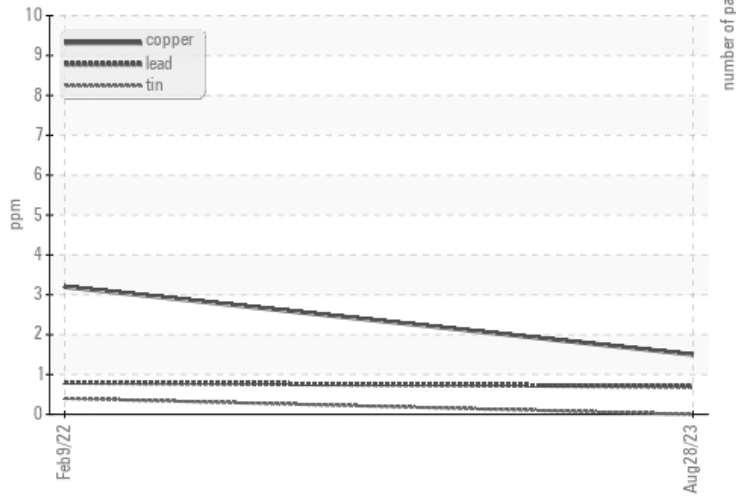


VOLVO GRAPHS

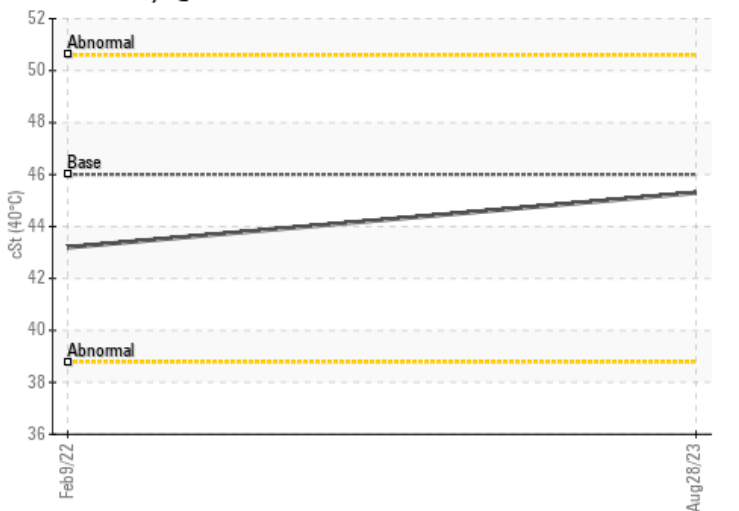
Ferrous Alloys



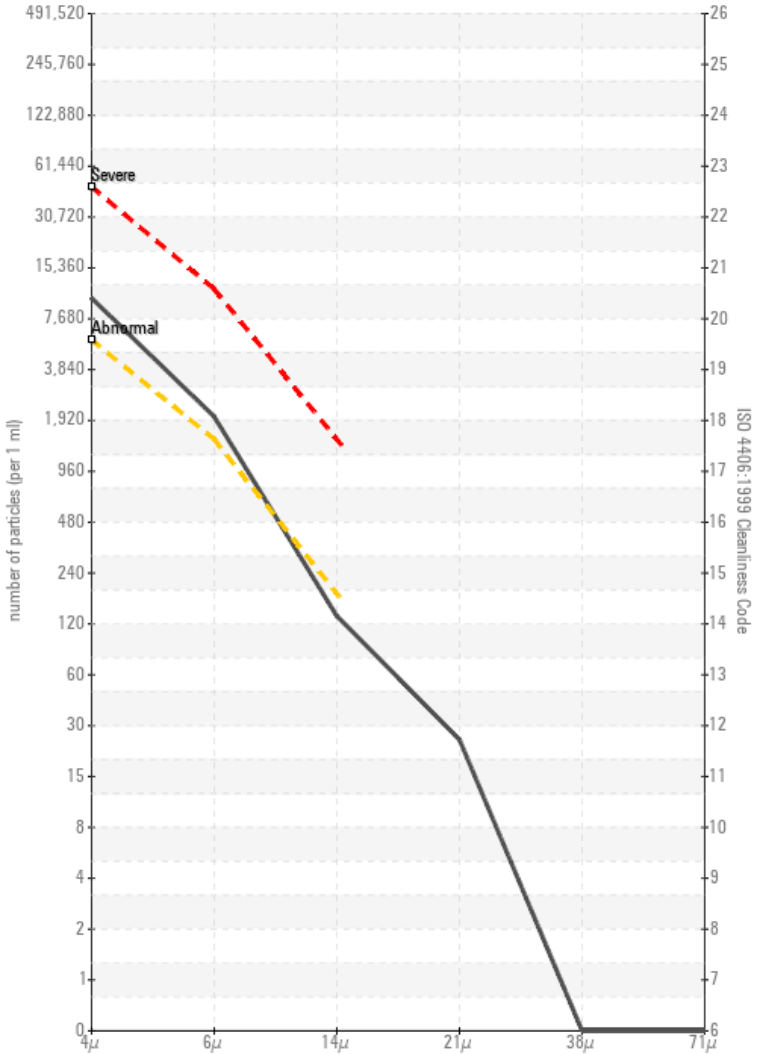
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

