



CONSTRUCTION EQUIPMENT

SPM580675 NEW SALES VOLVO EC160EL 314557 - HYDRAULIC SYSTEM



Sample No: VCP422966
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM580675 NEW SALES



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
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 T: (312)350-2560
 F:

SAMPLE INFORMATION

Sample Number	VCP422966	---	---	---
Sample Date	24 Jul 2023	---	---	---
Machine Hours	483	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 43.38	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.53	---	---	---

CONTAMINATION

Particles >4µm		█ 34160	---	---	---
Particles >6µm		█ 6272	---	---	---
Particles >14µm		█ 564	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 18	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

Calcium	ppm	█ 83	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 544	---	---	---
Phosphorus	ppm	█ 409	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO8885
Unique No: 10586380
Signed: Doug Bogart
Report Date: 08 Aug 2023

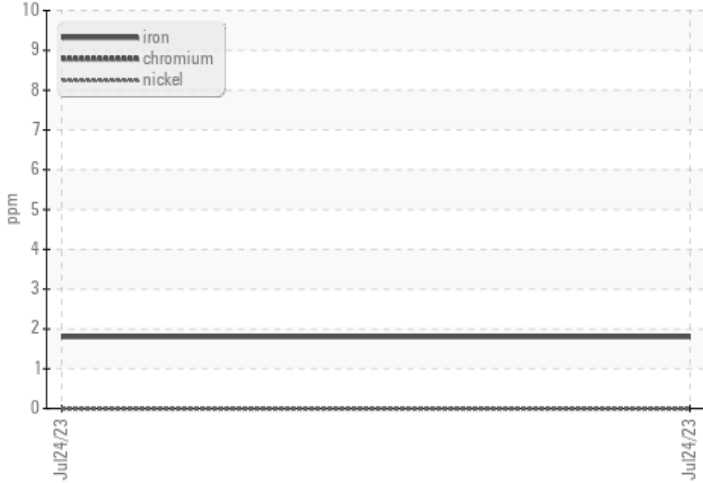


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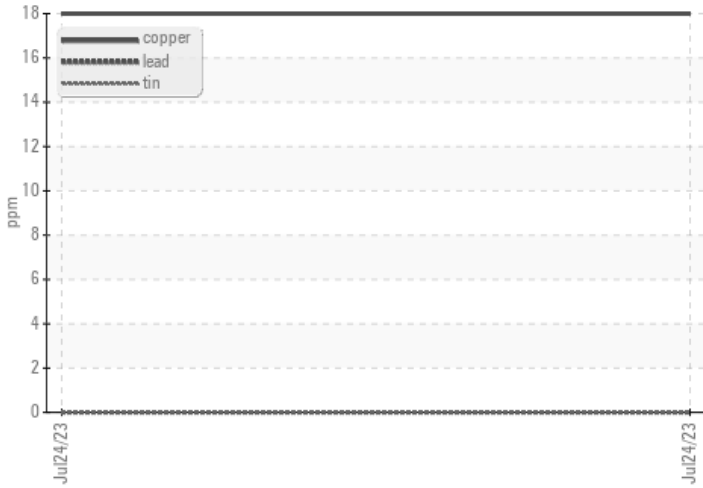


VOLVO GRAPHS

Ferrous Alloys



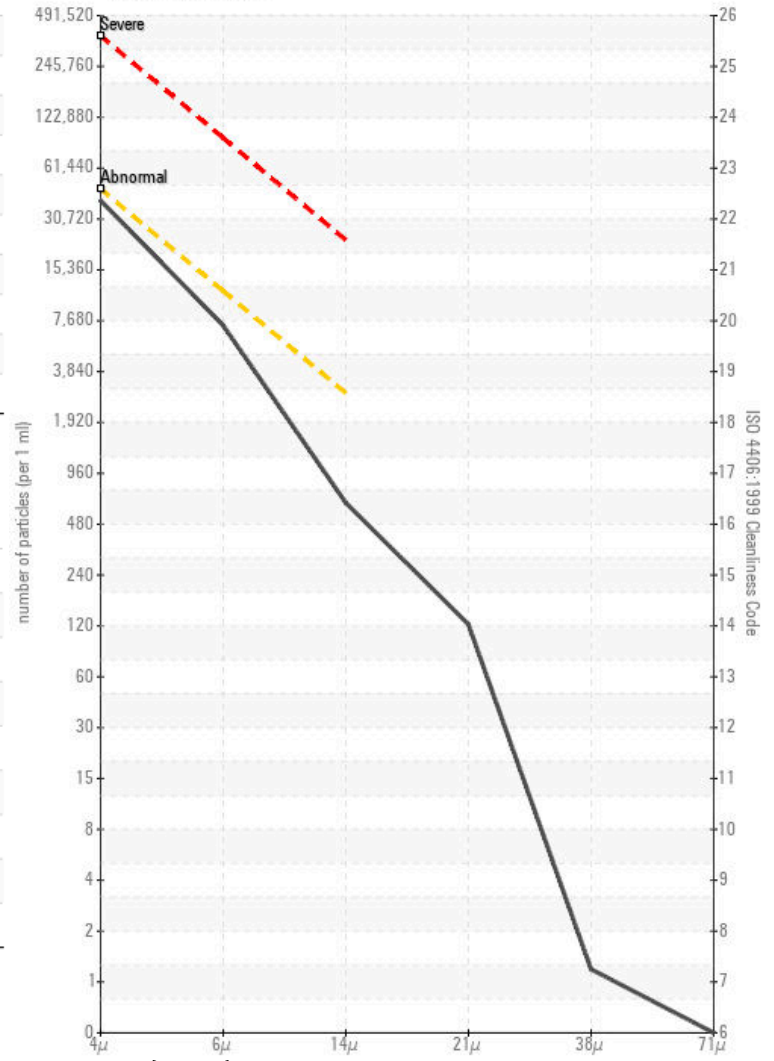
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

