



CONSTRUCTION EQUIPMENT

SM248741 VOLVO L60H 622097 - HYDRAULIC SYSTEM



Sample No: VCP308341
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SM248741



SAMPLE INFORMATION

Sample Number	VCP308341	---	---	---
Sample Date	28 Apr 2021	---	---	---
Machine Hours	4016	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

MAPLE RIDGE HARDWOODS

2270 N DOBLER RD
 STERLING, MI
 US 48659

Contact: STEVE BENDER
 mapleridge.shop@aol.com
 T: (989)873-8185
 F:



OIL CONDITION

Visc @ 40°C	cSt	█ 42.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.346	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1077	---	---	---
Particles >6µm		█ 206	---	---	---
Particles >14µm		█ 20	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 92	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 429	---	---	---
Phosphorus	ppm	█ 363	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

Depot: MAPSTE
Unique No: 9500424
Signed: Jonathan Hester
Report Date: 13 May 2021

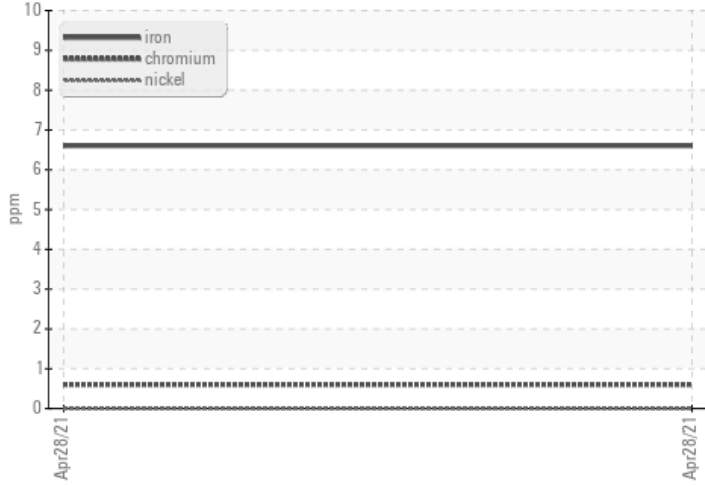


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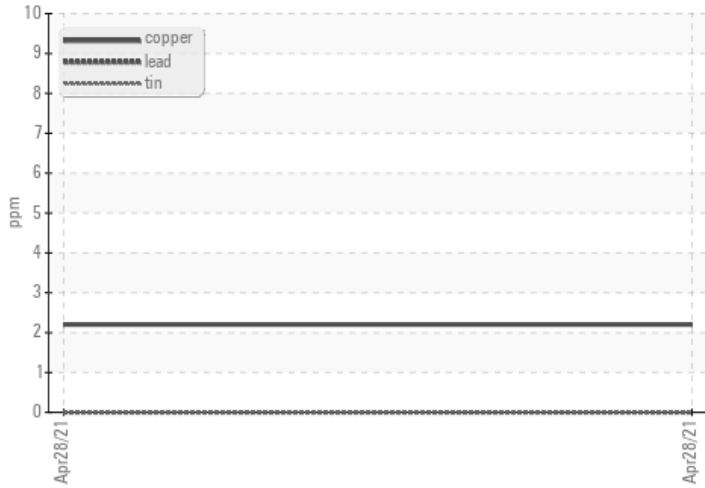


GRAPHS

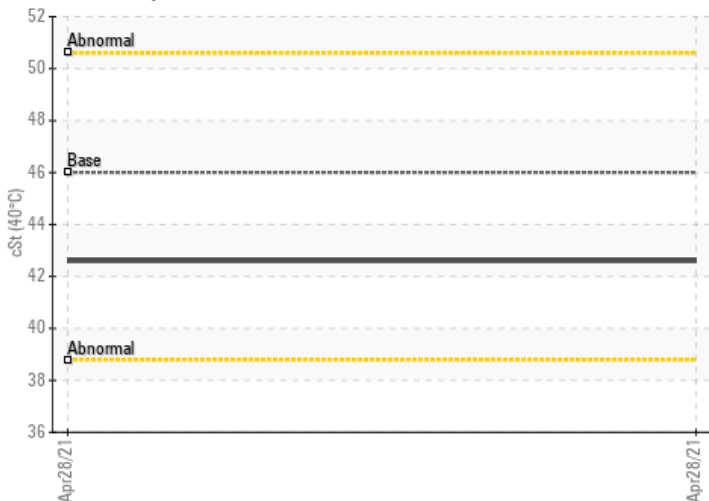
Ferrous Alloys



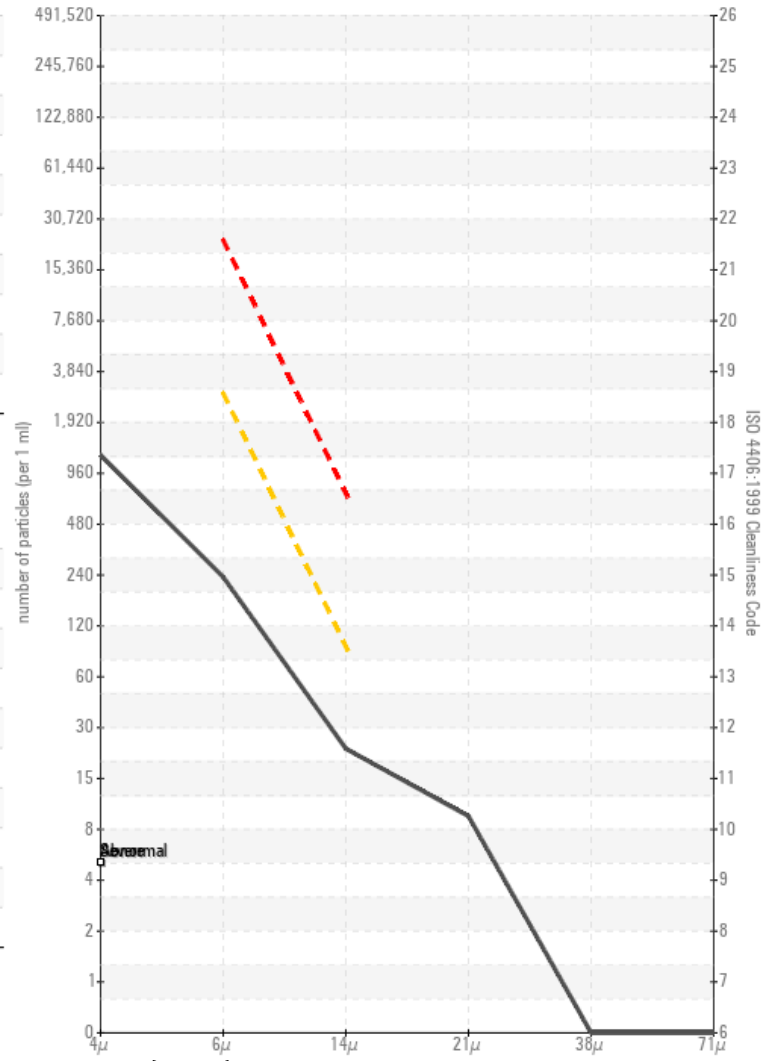
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

