



CONSTRUCTION EQUIPMENT

W215226 VOLVO L60H 621480 - HYDRAULIC SYSTEM



Sample No: VCP303885
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W215226



SAMPLE INFORMATION

Sample Number	VCP303885	VCP234085	VCP223823	---
Sample Date	15 Apr 2021	30 Oct 2019	26 Dec 2018	---
Machine Hours	2934	1992	1031	---
Oil Hours	2900	1992	1000	---
Oil Changed	Not Chngd	Not Chngd	Not Chngd	---
Sample Status	MARGINAL	MARGINAL	MARGINAL	---

ULSTER COUNTY RESOURCE RECOVERY AGENCY
 999 FLATBUSH AVE
 KINGSTON, NY
 US 12401
 Contact: CHARLES WHITTAKER
 cwhf@ucrra.net
 T: (845)399-2686
 F:



OIL CONDITION

Visc @ 40°C	cSt	▲ 36.7	▲ 36.8	▲ 37.66	---
Acid Number (AN)	mg KOH/g	■ 0.299	■ 0.317	■ 0.405	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		13228	6867	4167	---
Particles >6µm		■ 943	■ 753	■ 427	---
Particles >14µm		■ 36	■ 50	■ 26	---
ISO 4406:1999 (c)		21/17/12	20/17/13	19/16/12	---
Silicon	ppm	■ 3	■ 3	■ 3	---
Sodium	ppm	■ 2	■ 2	■ <1	---
Potassium	ppm	■ 2	■ 1	■ 3	---

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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The oil viscosity is lower than normal. The AN level is acceptable for this fluid.



WEAR METALS

Iron	ppm	■ 3	■ 3	■ 2	---
Copper	ppm	■ 6	■ 4	■ 3	---
Lead	ppm	■ 2	■ 2	■ 0	---
Tin	ppm	■ <1	■ <1	■ 0	---
Aluminum	ppm	■ <1	■ 1	■ 0	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	■ <1	■ <1	■ 0	---
Nickel	ppm	■ <1	■ <1	■ 0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	■ 0	■ 0	■ 0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	523	■ 505	■ 96	---
Magnesium	ppm	■ 4	■ 4	■ 2	---
Zinc	ppm	■ 521	■ 493	■ 409	---
Phosphorus	ppm	■ 405	■ 390	■ 320	---
Barium	ppm	■ 0	■ 0	■ 0	---
Boron	ppm	■ 16	■ 14	■ 2	---

Depot: ULSKIN
Unique No: 9514550
Signed: Jonathan Hester
Report Date: 25 May 2021

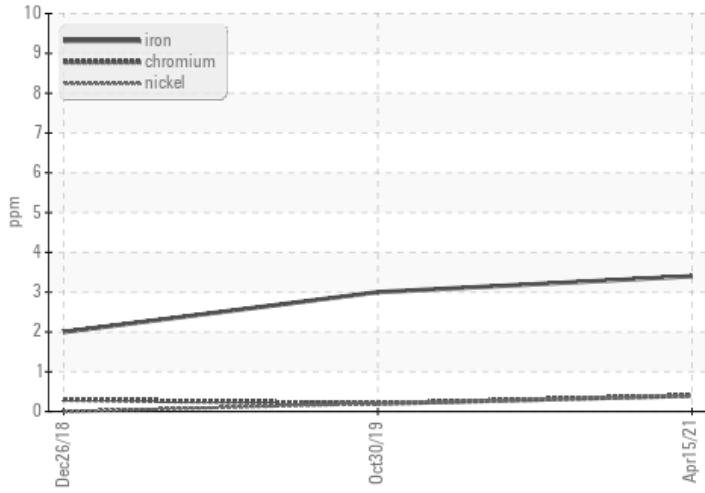


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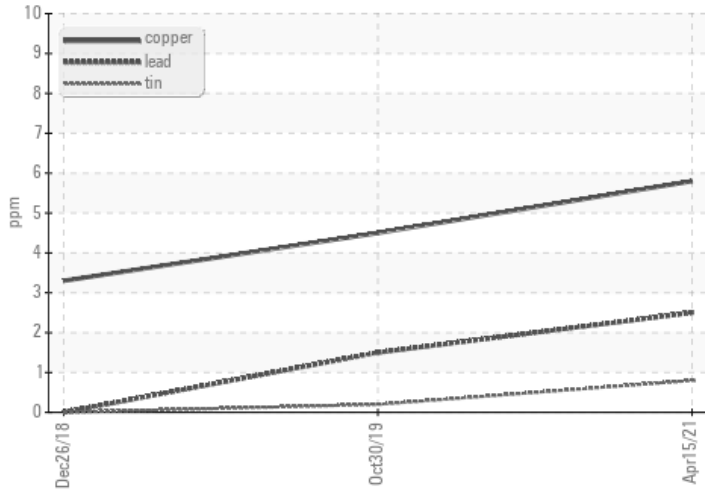


GRAPHS

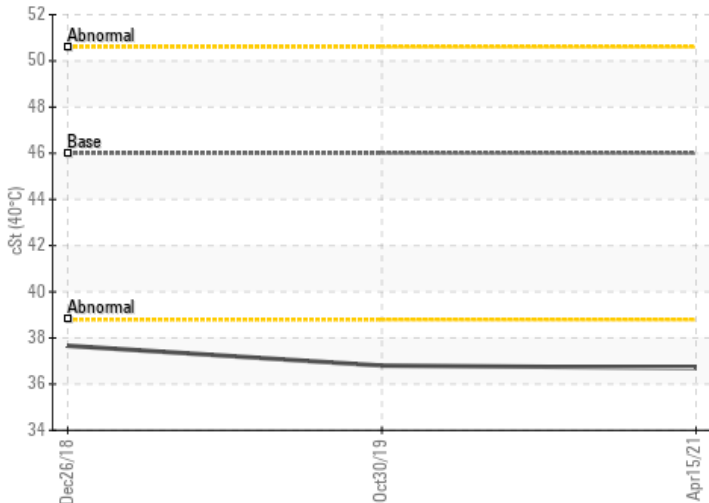
Ferrous Alloys



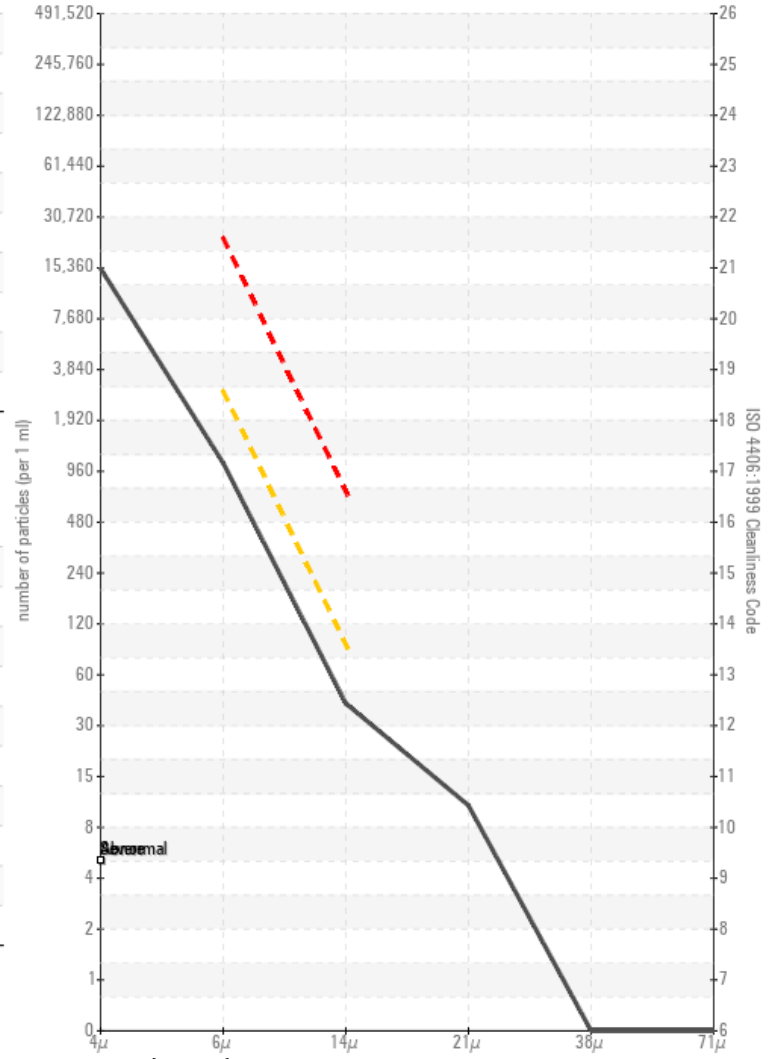
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

