



CONSTRUCTION EQUIPMENT

SPM687919 USED EQUIP FUCHS MHL340F2 340410/5529 - HYDRAULIC SYSTEM



Sample No: VCP443519
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM687919 USED EQUIP



SAMPLE INFORMATION

Sample Number	VCP443519	VCP305630	VCP279717	---
Sample Date	18 Mar 2024	30 Mar 2021	17 Jul 2020	---
Machine Hours	6030	3470	2006	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Not Chngd	Changed	---
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	---

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OIL CONDITION

Visc @ 40°C	cSt	44.9	44.8	44.0	---
Acid Number (AN)	mg KOH/g	0.51	0.407	0.396	---



CONTAMINATION

Water	%	NEG	▲ 0.181	NEG	---
Particles >4µm		▲ 23048	---	● 7042	---
Particles >6µm		▲ 6080	---	● 1625	---
Particles >14µm		▲ 434	---	■ 138	---
ISO 4406:1999 (c)		22/20/16	---	20/18/14	---
Silicon	ppm	■ 2	■ 3	■ 5	---
Sodium	ppm	■ 1	■ 2	■ <1	---
Potassium	ppm	■ 0	■ 0	■ <1	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	■ 8	■ 5	■ 15	---
Copper	ppm	■ 2	■ 2	■ 2	---
Lead	ppm	■ 0	■ <1	■ <1	---
Tin	ppm	■ <1	■ 0	■ 0	---
Aluminum	ppm	■ <1	■ <1	■ <1	---
Chromium	ppm	■ <1	■ <1	■ <1	---
Molybdenum	ppm	■ <1	■ <1	■ 0	---
Nickel	ppm	■ 0	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	■ <1	■ <1	■ <1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	■ 83	■ 41	■ 42	---
Magnesium	ppm	■ 16	■ <1	■ <1	---
Zinc	ppm	632	■ 406	■ 409	---
Phosphorus	ppm	489	■ 304	■ 315	---
Barium	ppm	■ 0	■ 0	■ <1	---
Boron	ppm	■ 0	■ 4	■ <1	---

Depot: VOLVO8885
Unique No: 10937737
Signed: Wes Davis
Report Date: 25 Mar 2024

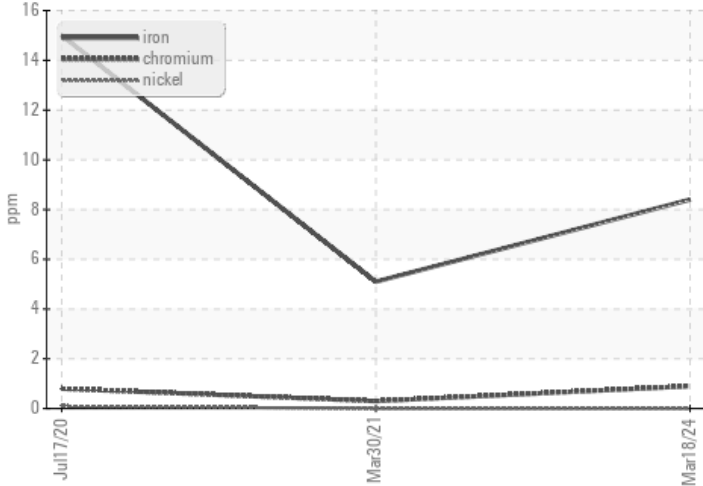


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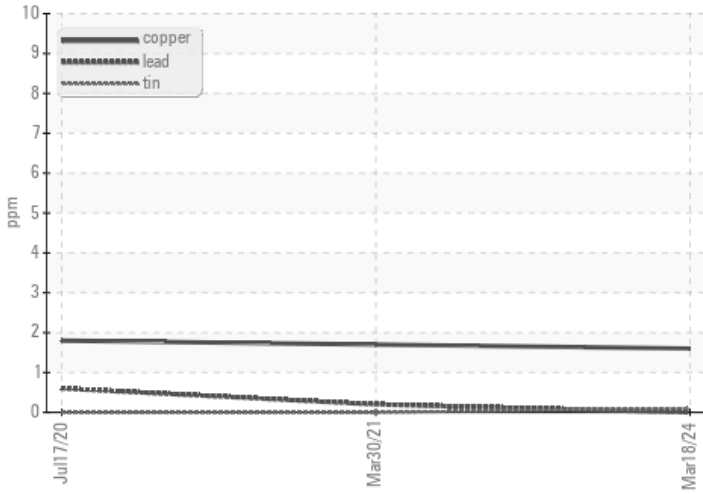


VOLVO GRAPHS

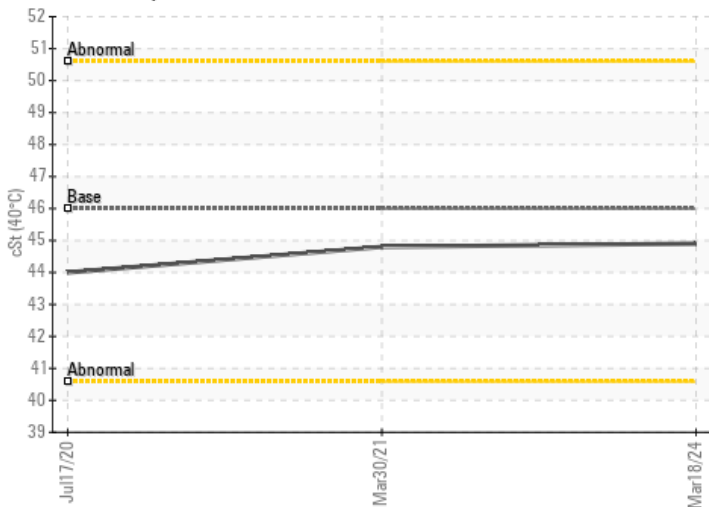
Ferrous Alloys



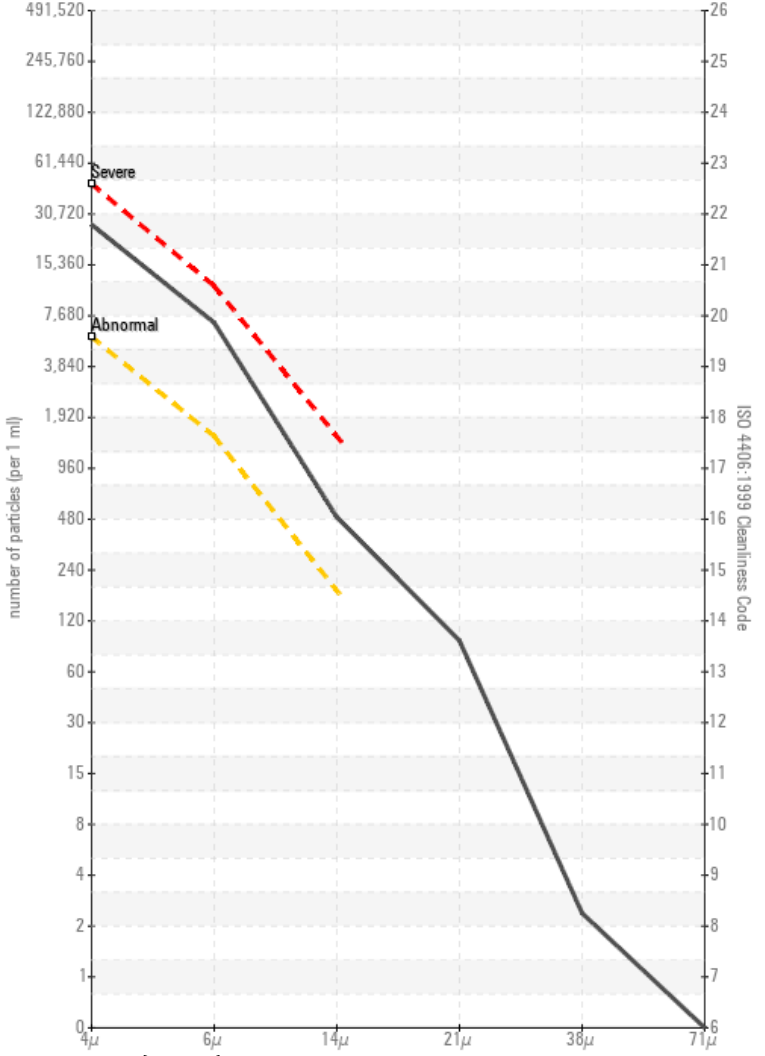
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

