



CONSTRUCTION EQUIPMENT

SW-33588-2 WASATCH VOLVO L180H 5320 - HYDRAULIC SYSTEM



Sample No: VCP454286
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SW-33588-2 WASATCH



SAMPLE INFORMATION

Sample Number	VCP454286	---	---	---
Sample Date	03 Jun 2024	---	---	---
Machine Hours	4853	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.29	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 2012	---	---	---
Particles >6µm		█ 575	---	---	---
Particles >14µm		█ 34	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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 acceptable for the time in service.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 144	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 507	---	---	---
Phosphorus	ppm	█ 397	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 1	---	---	---

Depot: VOLVO8770
Unique No: 11071992
Signed: Angela Borella
Report Date: 12 Jun 2024



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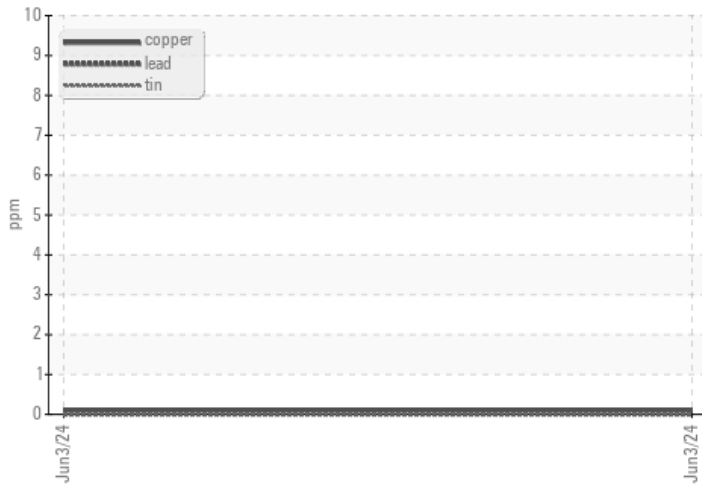


GRAPHS

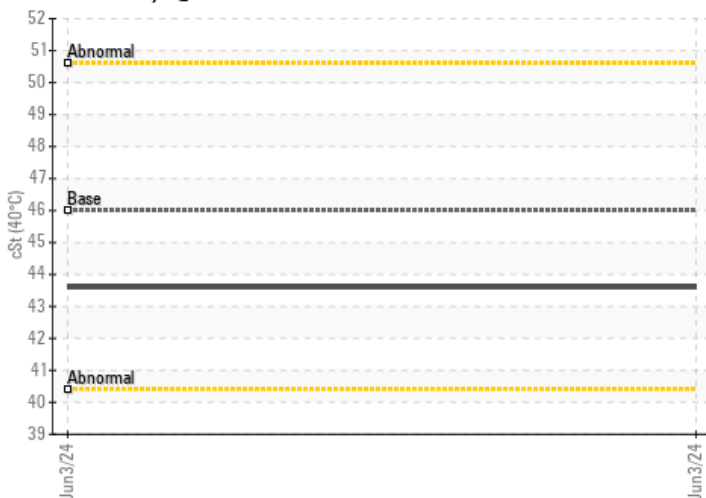
Ferrous Alloys



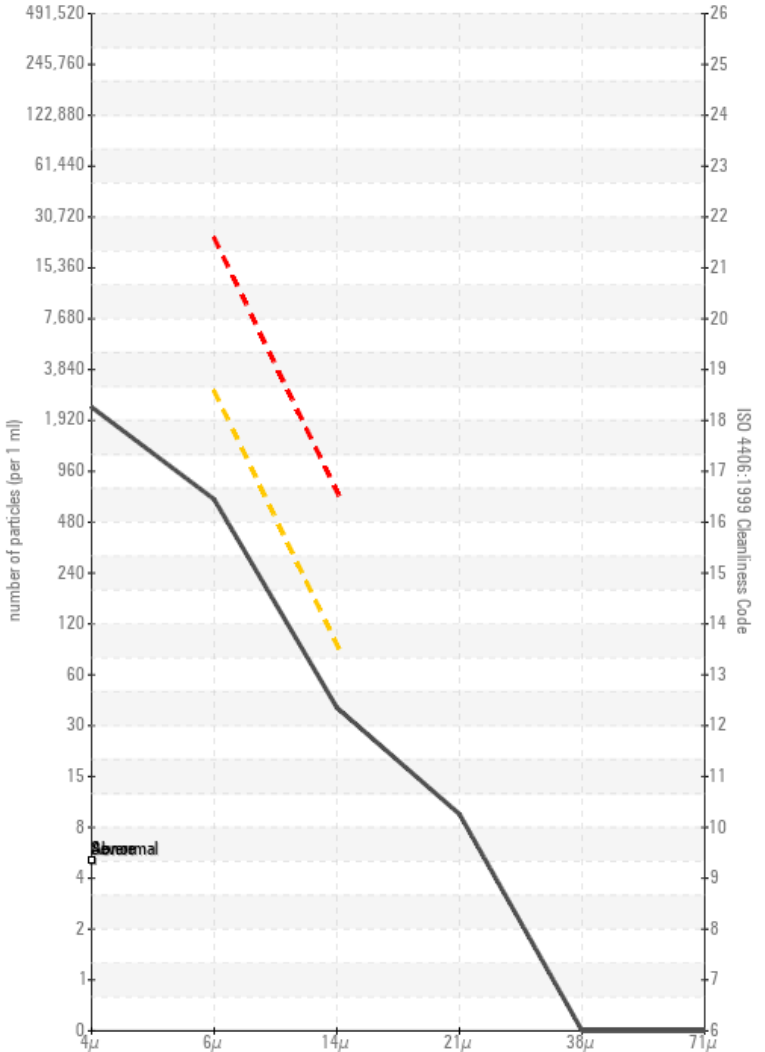
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

