



CONSTRUCTION EQUIPMENT

SPM703646 ALPINE DEM VOLVO EC480E 391030 - HYDRAULIC SYSTEM



Sample No: VCP438294
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM703646 ALPINE DEM



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
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SAMPLE INFORMATION

Sample Number	VCP438294	VCP415350	---	---
Sample Date	06 May 2024	12 Sep 2023	---	---
Machine Hours	3348	2080	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 45.4	█ 41.4	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	█ 0.47	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 1461	---	---	---
Particles >6µm		█ 331	---	---	---
Particles >14µm		█ 11	---	---	---
ISO 4406:1999 (c)		18/16/11	---	---	---
Silicon	ppm	█ 1	█ 6	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ <1	█ 1	---	---

WEAR METALS

Iron	ppm	█ <1	█ 11	---	---
Copper	ppm	█ <1	█ 12	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 61	585	---	---
Magnesium	ppm	█ 2	█ 19	---	---
Zinc	ppm	█ 416	█ 712	---	---
Phosphorus	ppm	█ 328	█ 573	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO8885
Unique No: 11084403
Signed: Wes Davis
Report Date: 18 Jun 2024

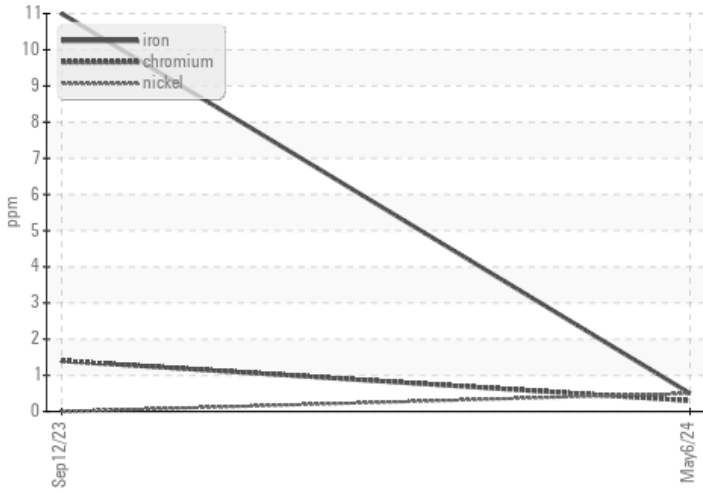


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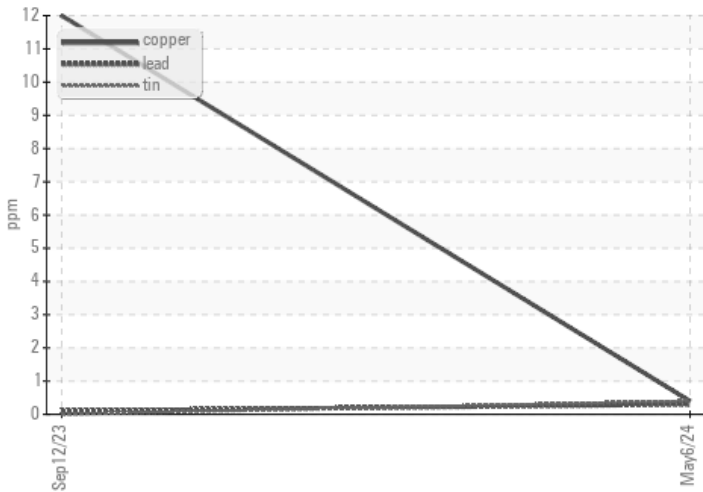


GRAPHS

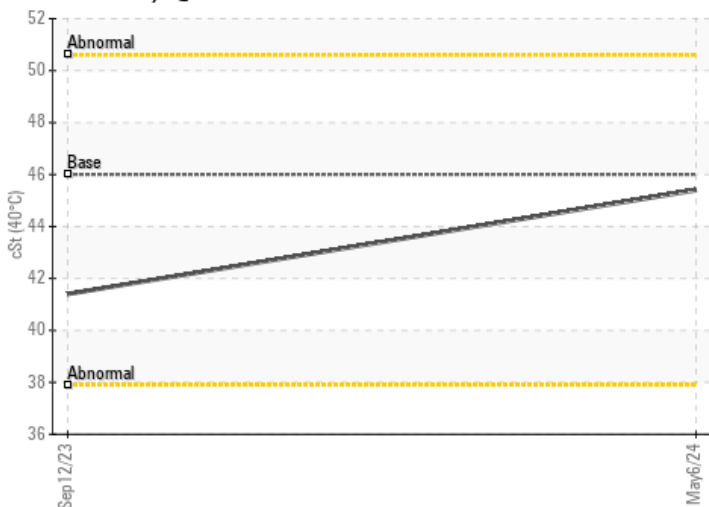
Ferrous Alloys



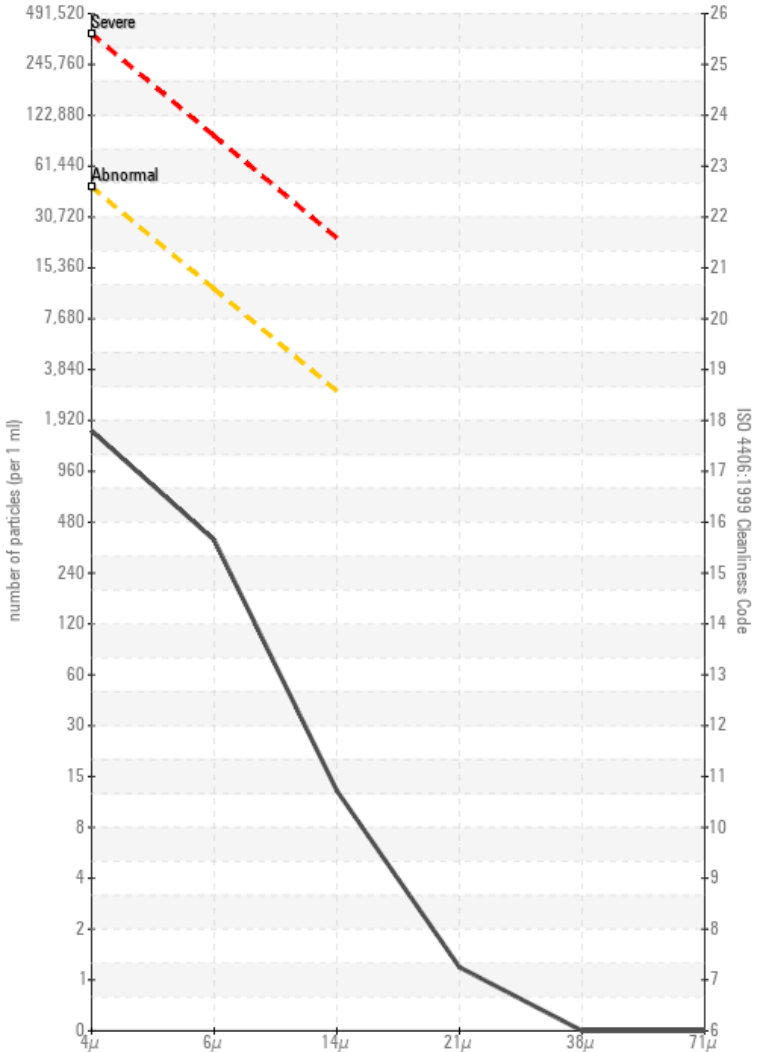
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

