



CONSTRUCTION EQUIPMENT

VOLVO EC480E 311286 - HYDRAULIC SYSTEM



Sample No: VCP441117
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



MCLLUNG-LOGAN EQUIPMENT CO - WISE
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 WISE, VA
 US 24293
 Contact: DANNY BARRINGTON
 dbarrington@mcclung-logan.com
 T:
 F:



SAMPLE INFORMATION

Sample Number	VCP441117	VCP411776	---	---
Sample Date	30 Nov 2023	22 Aug 2023	---	---
Machine Hours	6054	5382	---	---
Oil Hours	6054	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	41.1	41.6	---	---
Acid Number (AN)	mg KOH/g	0.52	0.45	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		1570	35504	---	---
Particles >6µm		208	6176	---	---
Particles >14µm		16	345	---	---
ISO 4406:1999 (c)		18/15/11	22/20/16	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	6	2	---	---
Potassium	ppm	2	1	---	---



WEAR METALS

Iron	ppm	5	8	---	---
Copper	ppm	4	9	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	4	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	145	370	---	---
Magnesium	ppm	7	16	---	---
Zinc	ppm	270	498	---	---
Phosphorus	ppm	202	425	---	---
Barium	ppm	3	0	---	---
Boron	ppm	0	4	---	---

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: VOLVO8881
Unique No: 10779118
Signed: Wes Davis
Report Date: 11 Dec 2023

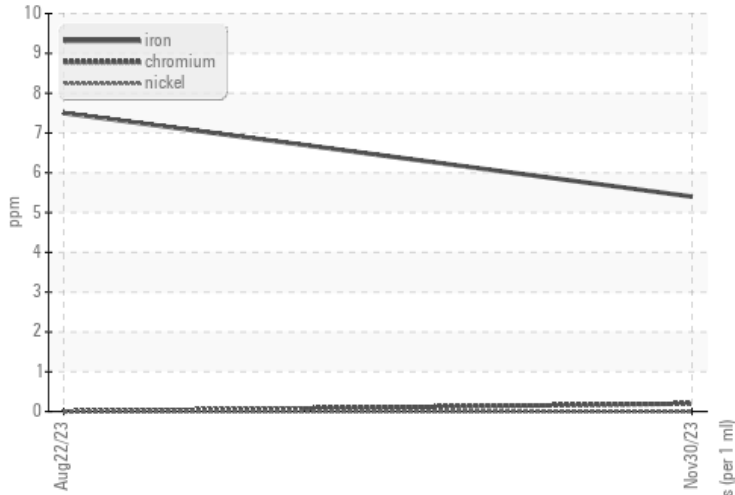


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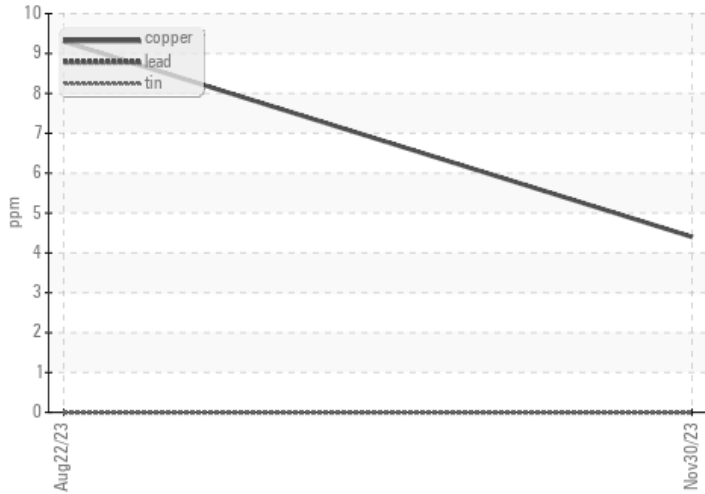


GRAPHS

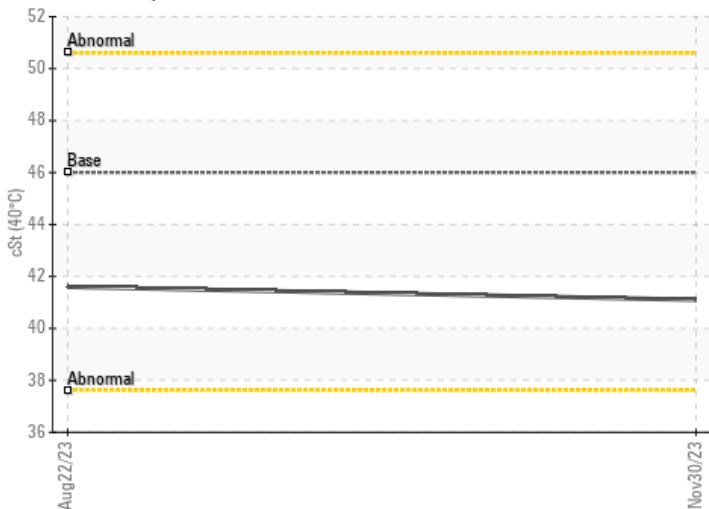
Ferrous Alloys



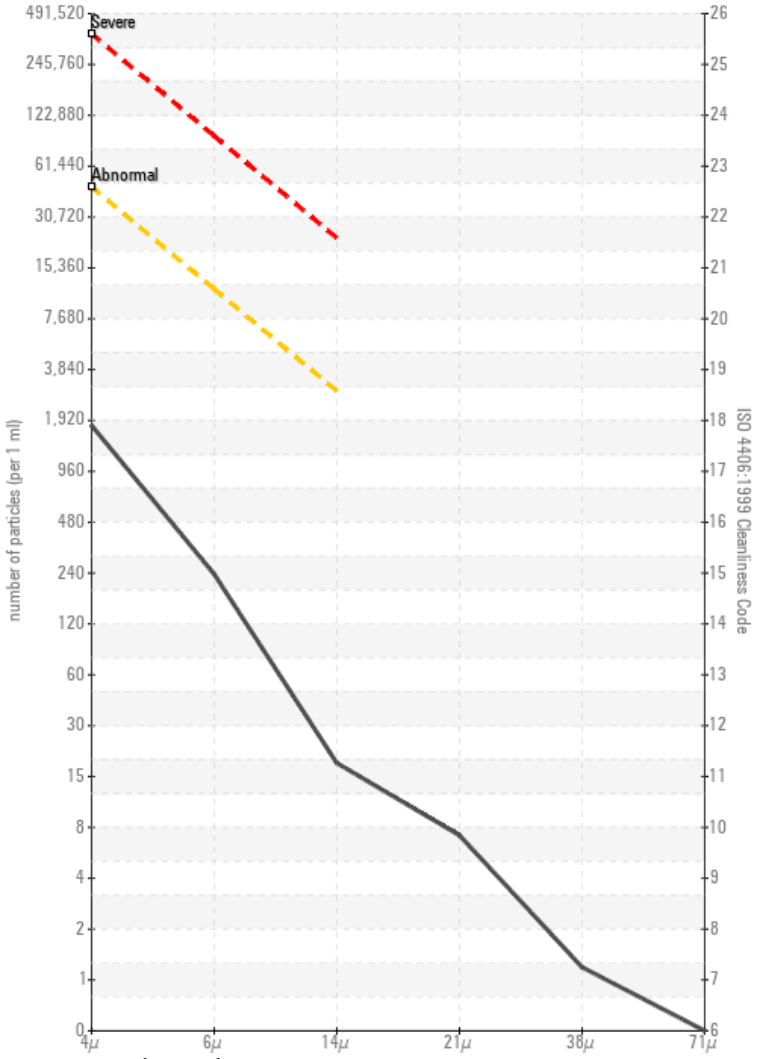
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

