



CONSTRUCTION EQUIPMENT

VOLVO EC480EL 311334 - HYDRAULIC SYSTEM



Sample No: VCP383174

Oil Type: BP AW 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP383174	VCP384915	---	---
Sample Date	20 Oct 2023	04 Jan 2023	---	---
Machine Hours	5780	4860	---	---
Oil Hours	0	1000	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	40.2	41.9	---	---
Acid Number (AN)	mg KOH/g	0.38	0.40	---	---



CONTAMINATION

Particles >4µm		2092	1949	---	---
Particles >6µm		442	141	---	---
Particles >14µm		28	14	---	---
ISO 4406:1999 (c)		18/16/12	18/14/11	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	6	4	---	---
Copper	ppm	16	27	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	33	27	---	---
Magnesium	ppm	<1	0	---	---
Zinc	ppm	337	278	---	---
Phosphorus	ppm	295	332	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---



LEONARDS CONTRACTING

30850 STEPHENSON HWY
MADISON HEIGHTS, MI
US 48071

Contact: LARRY SCHRADE
larry.schrade@sdevelop.com
T: (810)499-1953
F: x:

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: LEOMAD
Unique No: 10724994
Signed: Wes Davis
Report Date: 03 Nov 2023

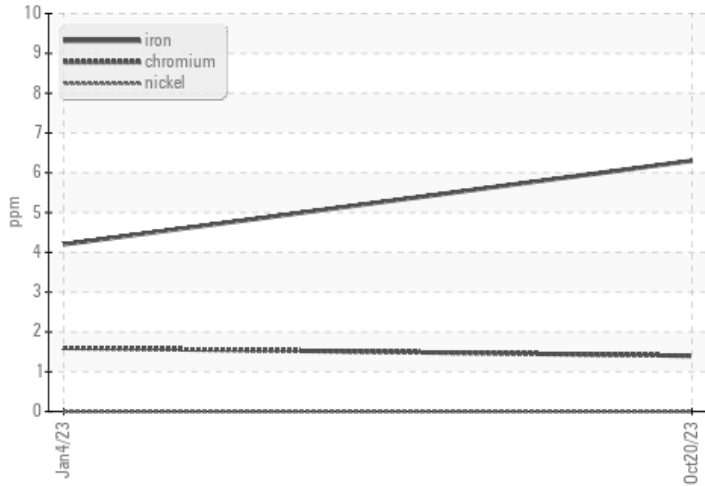


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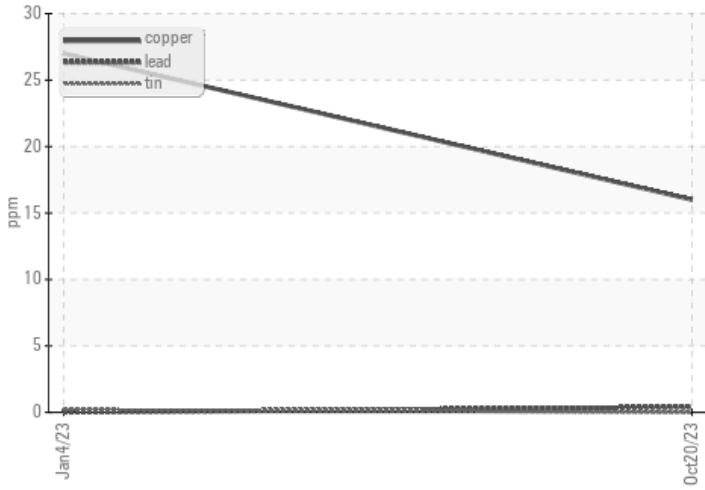


VOLVO GRAPHS

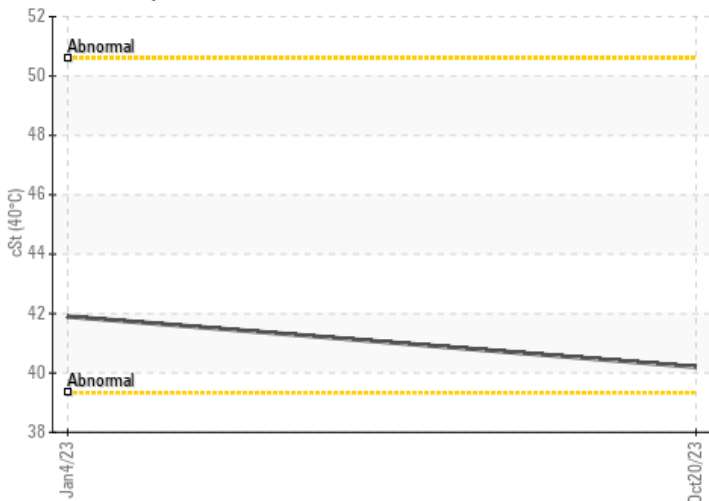
Ferrous Alloys



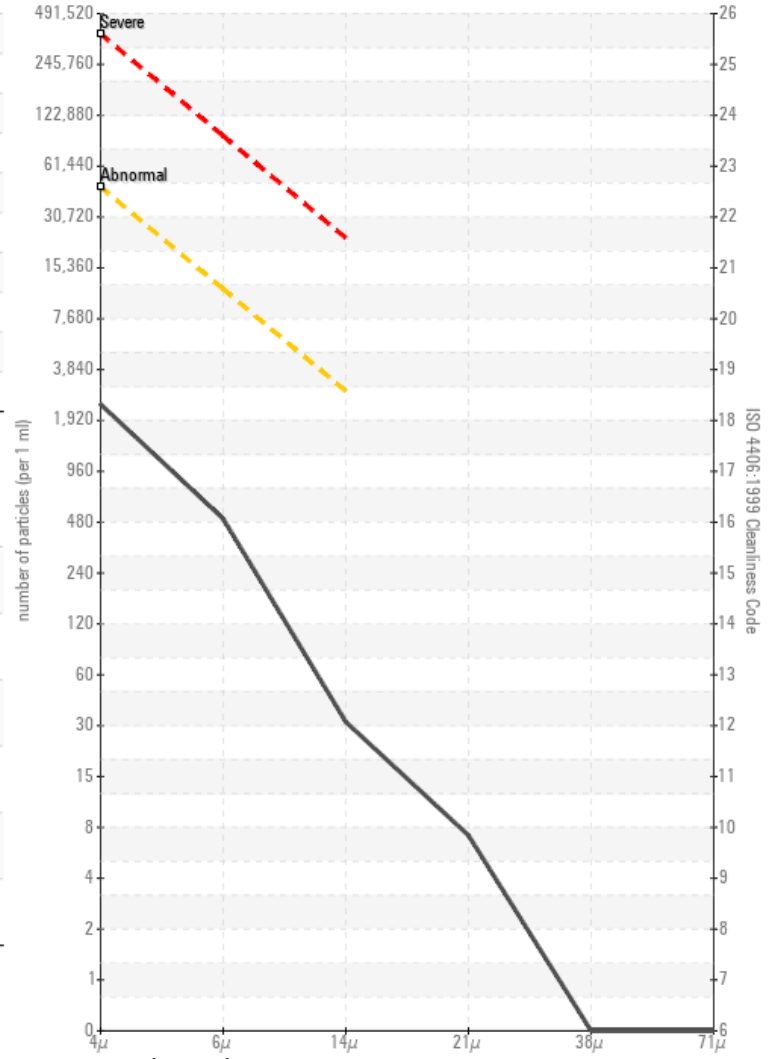
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

