



CONSTRUCTION EQUIPMENT

SWA553569-10 VOLVO EC300EL 31314 - HYDRAULIC SYSTEM



Sample No: VCP455388
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA553569-10



SAMPLE INFORMATION

Sample Number	VCP455388	VCP438754	VCP417531	---
Sample Date	04 May 2024	17 Apr 2024	12 Jun 2023	---
Machine Hours	2313	2290	1631	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Not Changd	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	37.7	37.6	37.5	---
Acid Number (AN)	mg KOH/g	0.38	0.34	0.39	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	4	4	---
Sodium	ppm	0	3	0	---
Potassium	ppm	1	1	1	---



WEAR METALS

Iron	ppm	8	10	6	---
Copper	ppm	38	39	31	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	2	2	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	79	63	59	---
Magnesium	ppm	7	5	4	---
Zinc	ppm	482	383	372	---
Phosphorus	ppm	422	315	293	---
Barium	ppm	0	0	2	---
Boron	ppm	0	0	0	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0090
Unique No: 11017152
Signed: Don Baldrige
Report Date: 08 May 2024

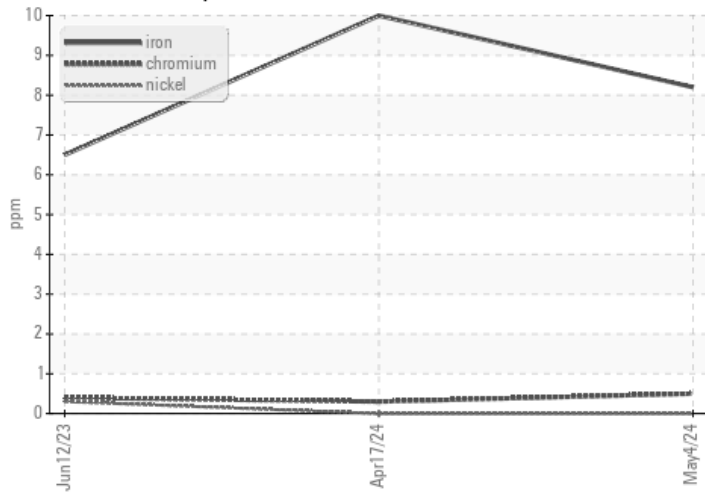


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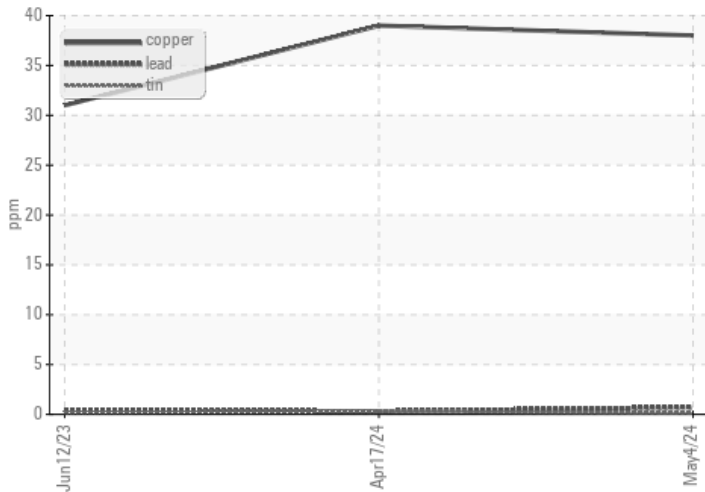


GRAPHS

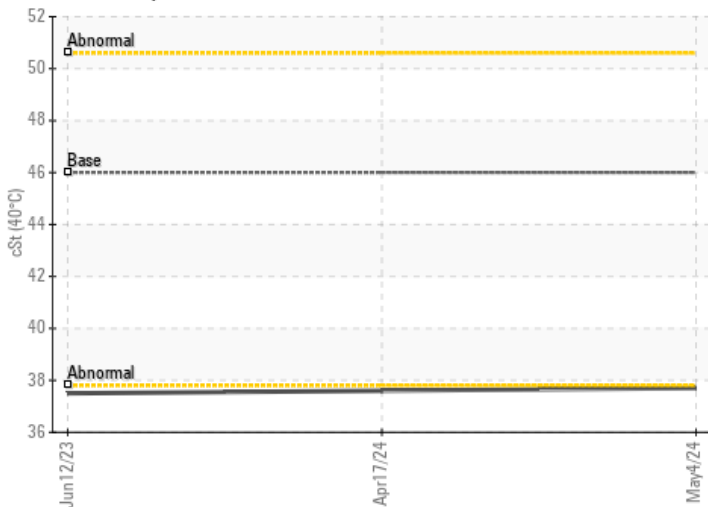
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

