



CONSTRUCTION EQUIPMENT

SPM606787 VOLVO EC480EL 31110 - HYDRAULIC SYSTEM



Sample No: VCP408705
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM606787



SAMPLE INFORMATION

Sample Number	VCP408705	VCP308638	---	---
Sample Date	12 Sep 2023	07 Jun 2021	---	---
Machine Hours	5730	0	---	---
Oil Hours	5730	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	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	44.4	45.7	---	---
Acid Number (AN)	mg KOH/g	0.51	1.029	---	---



CONTAMINATION

Water	%	0.345	---	---	---
Silicon	ppm	2	4	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	0	0	---	---



WEAR METALS

Iron	ppm	9	11	---	---
Copper	ppm	35	13	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	0	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	283	1391	---	---
Magnesium	ppm	10	14	---	---
Zinc	ppm	527	813	---	---
Phosphorus	ppm	303	645	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	6	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. There is a moderate concentration of water present in the oil. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0090
Unique No: 10655158
Signed: Jonathan Hester
Report Date: 20 Sep 2023

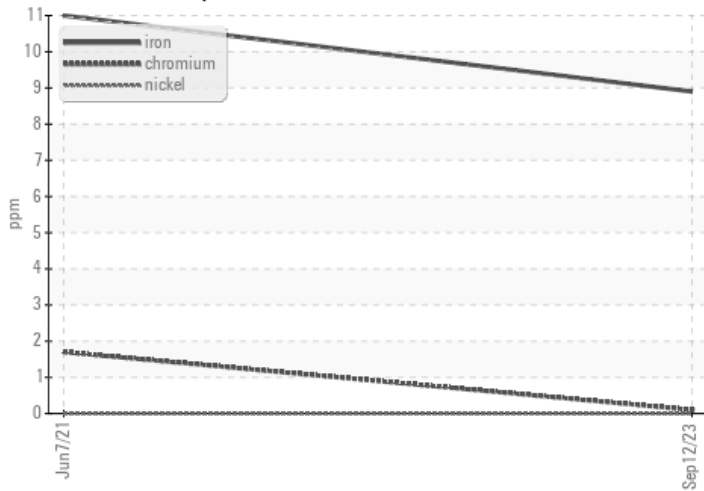


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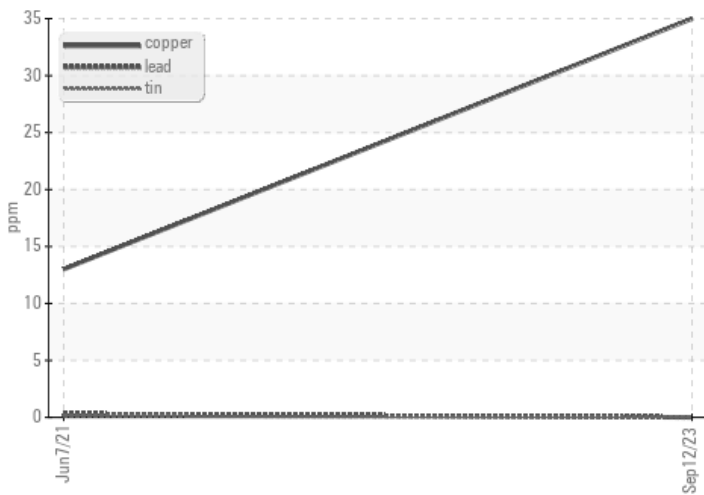


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

