



CONSTRUCTION EQUIPMENT

297630 VOLVO EC480EL 3 10354 - HYDRAULIC SYSTEM



Sample No: VCP427027
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 297630



SAMPLE INFORMATION

Sample Number	VCP427027	VCP387878	VCP314286	---
Sample Date	28 Jun 2023	29 Sep 2022	04 May 2021	---
Machine Hours	6940	6700	4933	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	N/A	N/A	---
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	---

SENECA MEADOWS

1786 SALCMAN ROAD
 WATERLOO, NY
 US

Contact: EDWARD BARTO
 ebarato@iesi.com
 T: (315)539-5624
 F: (315)539-4656



OIL CONDITION

Visc @ 40°C	cSt	45.0	41.7	42.3	---
Acid Number (AN)	mg KOH/g	0.44	0.46	0.418	---



CONTAMINATION

Particles >4µm		165814	172080	---	---
Particles >6µm		78067	85820	---	---
Particles >14µm		5462	6467	---	---
ISO 4406:1999 (c)		25/23/20	25/24/20	---	---
Silicon	ppm	3	8	2	---
Sodium	ppm	<1	2	<1	---
Potassium	ppm	1	<1	0	---

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



WEAR METALS

Iron	ppm	3	12	5	---
Copper	ppm	6	35	33	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	2	1	---
Aluminum	ppm	2	2	<1	---
Chromium	ppm	<1	3	1	---
Molybdenum	ppm	2	1	1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	163	94	90	---
Magnesium	ppm	45	7	8	---
Zinc	ppm	475	415	426	---
Phosphorus	ppm	373	346	347	---
Barium	ppm	0	0	0	---
Boron	ppm	3	<1	3	---

Depot: SENWAT
Unique No: 10545863
Signed: Wes Davis
Report Date: 06 Jul 2023

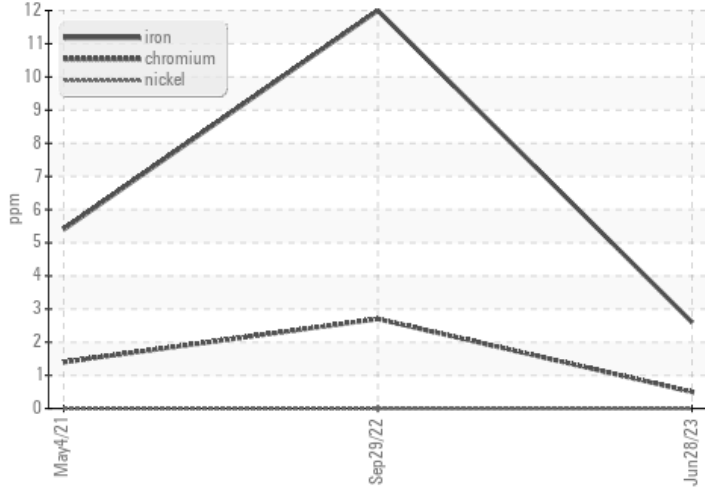


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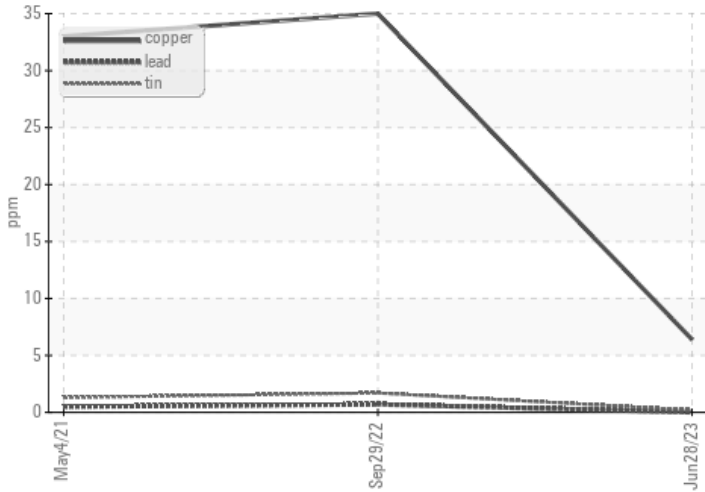


VOLVO GRAPHS

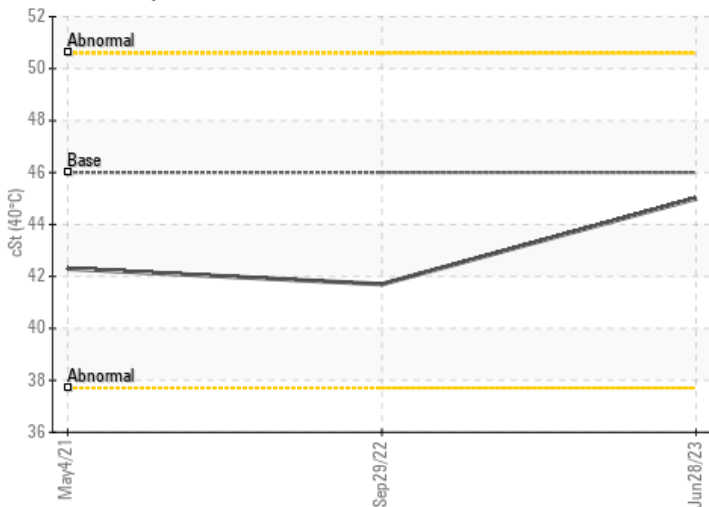
Ferrous Alloys



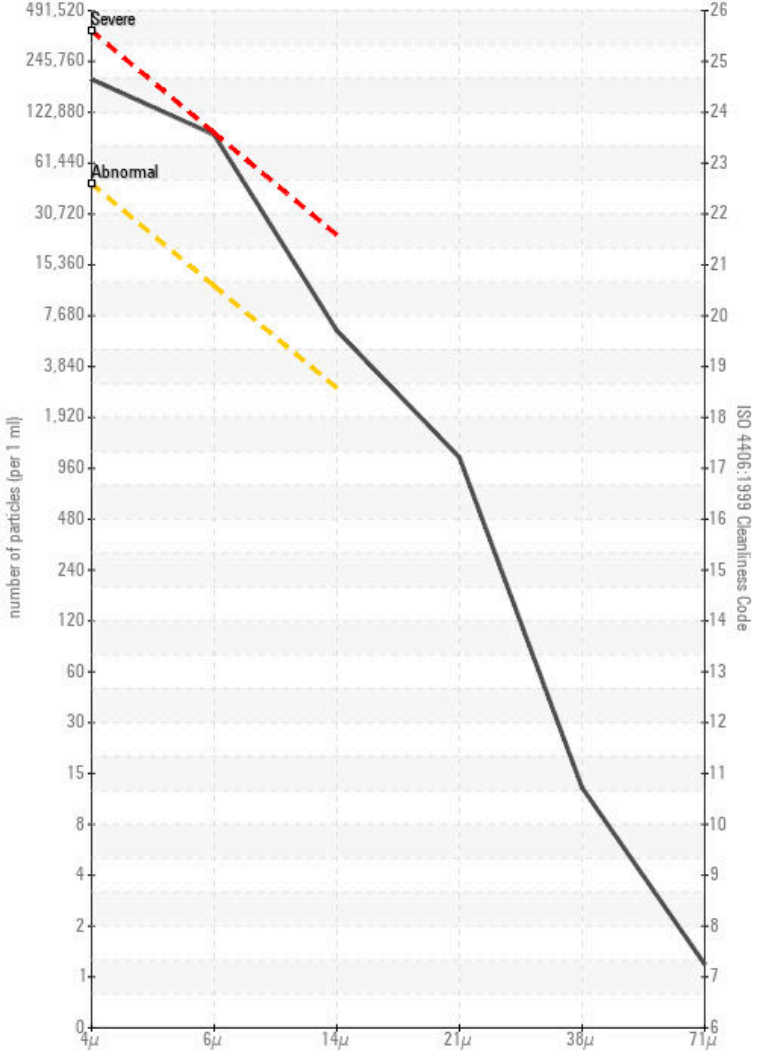
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

