



CONSTRUCTION EQUIPMENT

SPM607729 AM DEMO VOLVO EC480E 314724 - HYDRAULIC SYSTEM



Sample No: VCP413909
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SPM607729 AM DEMO



SAMPLE INFORMATION

Sample Number	VCP413909	VCP404055	---	---
Sample Date	28 Sep 2023	07 Jan 2023	---	---
Machine Hours	2025	1252	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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 5000 INDUSTRIAL HWY
 GARY, IN
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 F:



OIL CONDITION

Visc @ 40°C	cSt	42.9	42.8	---	---
Acid Number (AN)	mg KOH/g	1.02	0.88	---	---



CONTAMINATION

Water	%	0.174	---	---	---
Particles >4µm		11892	15867	---	---
Particles >6µm		532	309	---	---
Particles >14µm		21	10	---	---
ISO 4406:1999 (c)		21/16/12	21/15/10	---	---
Silicon	ppm	10	10	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	0	---	---

Diagnosis

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	5	6	---	---
Copper	ppm	43	21	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	1	<1	---	---
Aluminum	ppm	<1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	3	5	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

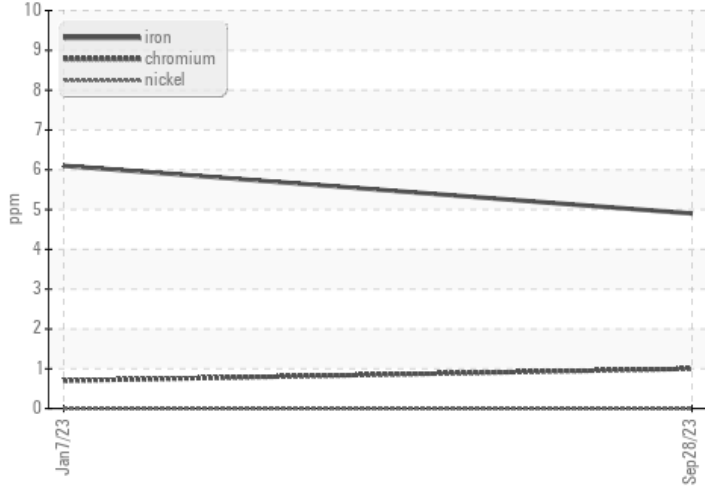
Calcium	ppm	1743	1600	---	---
Magnesium	ppm	59	76	---	---
Zinc	ppm	943	877	---	---
Phosphorus	ppm	785	681	---	---
Barium	ppm	0	0	---	---
Boron	ppm	48	51	---	---

Depot: VOLVO8885
Unique No: 10685984
Signed: Angela Borella
Report Date: 16 Oct 2023

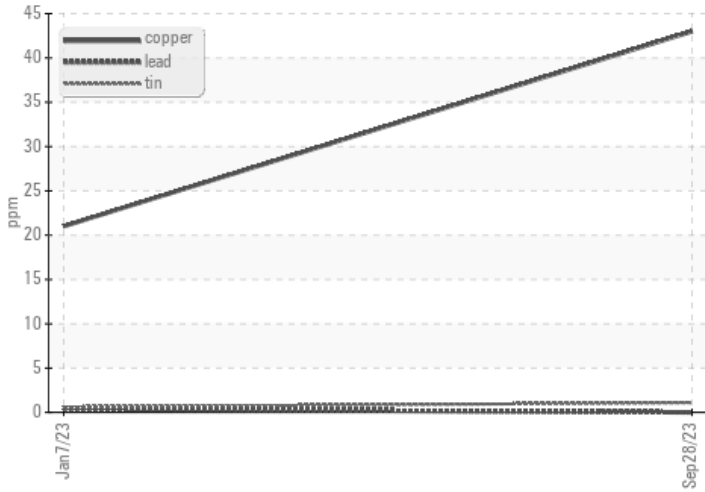


VOLVO GRAPHS

Ferrous Alloys



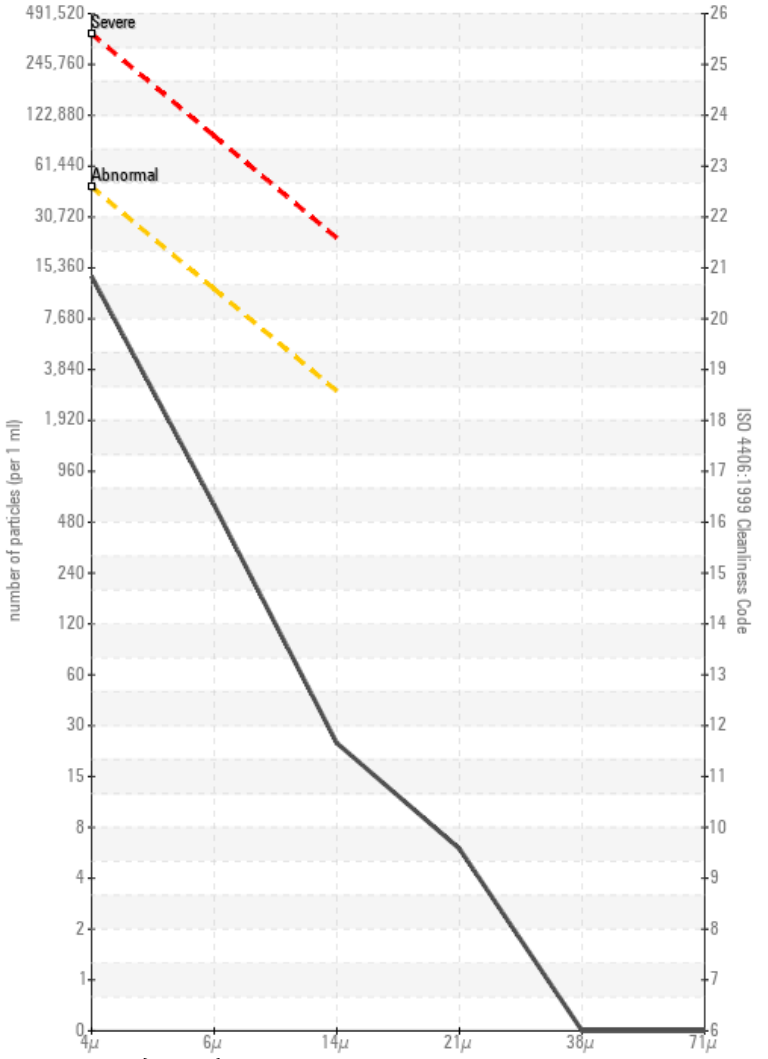
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

