



CONSTRUCTION EQUIPMENT

VOLVO EC750E 310167 - HYDRAULIC SYSTEM



Sample No: VCP411820
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP411820	VCP310370	VCP250794	---
Sample Date	08 Aug 2023	13 Jul 2021	20 Sep 2019	---
Machine Hours	5061	2124	475	---
Oil Hours	0	2124	475	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	ATTENTION	---

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 2025 COOK DRIVE
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 US 24153
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 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.1	42.8	43.7	---
Acid Number (AN)	mg KOH/g	0.54	0.485	0.469	---



CONTAMINATION

Particles >4µm		5863	33721	44378	---
Particles >6µm		431	3576	4589	---
Particles >14µm		36	174	141	---
ISO 4406:1999 (c)		20/16/12	22/19/15	23/19/14	---
Silicon	ppm	4	<1	<1	---
Sodium	ppm	0	<1	0	---
Potassium	ppm	2	0	<1	---

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.



WEAR METALS

Iron	ppm	5	3	2	---
Copper	ppm	9	14	7	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	2	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	967	55	71	---
Magnesium	ppm	29	<1	<1	---
Zinc	ppm	637	433	485	---
Phosphorus	ppm	510	352	376	---
Barium	ppm	<1	0	<1	---
Boron	ppm	10	2	<1	---

Depot: VOLVO9010
Unique No: 10606009
Signed: Don Baldrige
Report Date: 17 Aug 2023

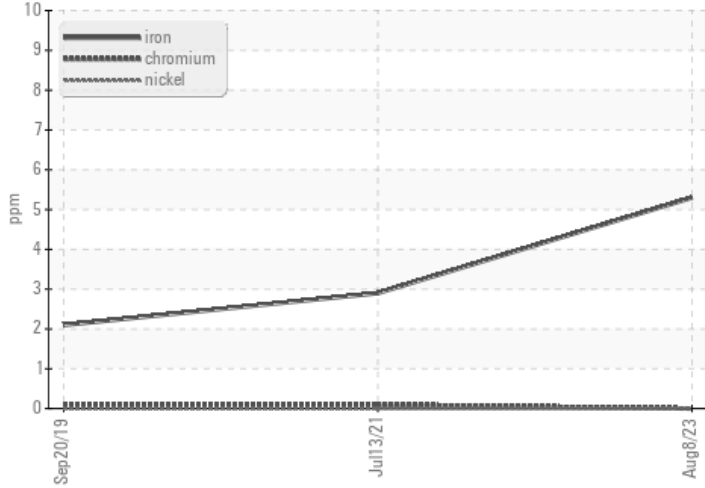


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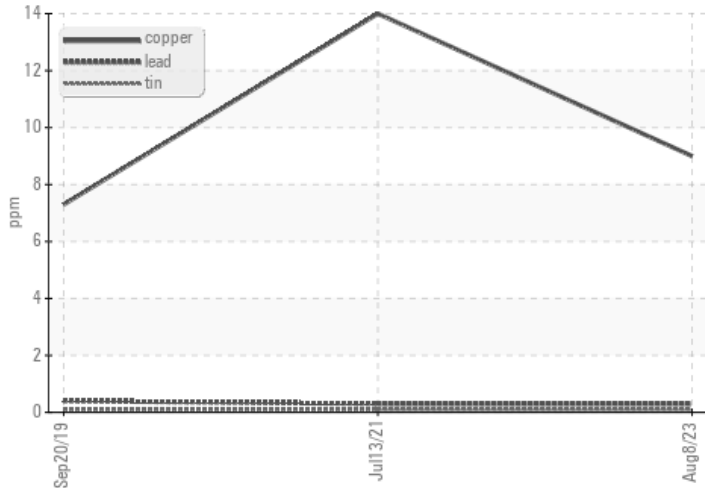


VOLVO GRAPHS

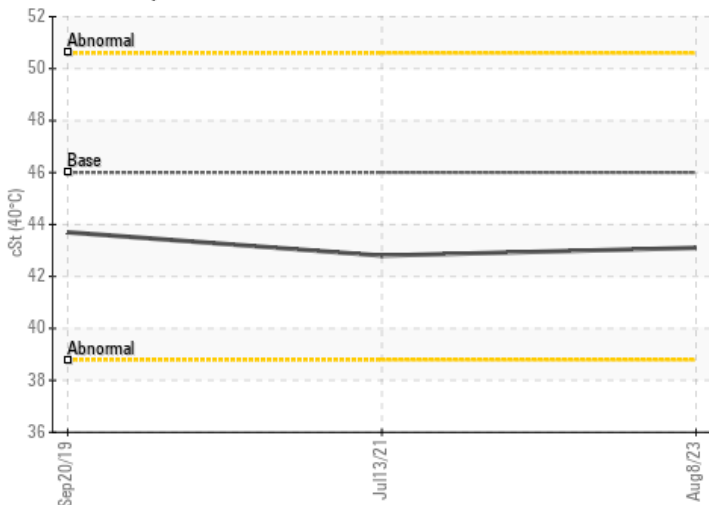
Ferrous Alloys



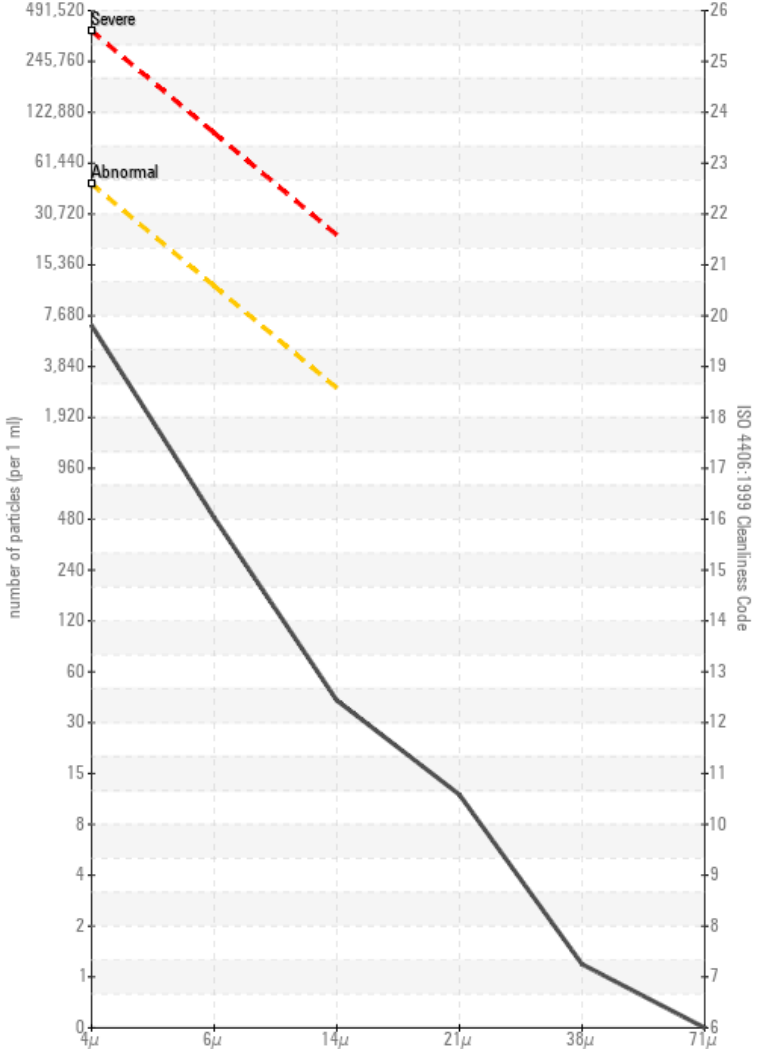
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

