



CONSTRUCTION EQUIPMENT

135094 VOLVO EC750E 314191 - HYDRAULIC SYSTEM



Sample No: VCP431188
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 135094



SAMPLE INFORMATION

Sample Number	VCP431188	VCP429956	VCP416017	VCP418736
Sample Date	08 Dec 2023	29 Sep 2023	08 Aug 2023	20 Jun 2023
Machine Hours	3036	2487	2037	1596
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.9	42.0	44.7	41.0
Acid Number (AN)	mg KOH/g	0.44	0.44	0.53	0.52



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		6885	6464	10512	---
Particles >6µm		655	1112	2687	---
Particles >14µm		8	32	185	---
ISO 4406:1999 (c)		20/17/10	20/17/12	21/19/15	---
Silicon	ppm	3	1	2	2
Sodium	ppm	<1	0	2	<1
Potassium	ppm	0	<1	<1	0

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	2	3	2	3
Copper	ppm	8	7	12	10
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	0
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	84	61	80	82
Magnesium	ppm	0	1	7	0
Zinc	ppm	447	472	464	502
Phosphorus	ppm	375	358	378	423
Barium	ppm	0	0	<1	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10783232
Signed: Wes Davis
Report Date: 14 Dec 2023

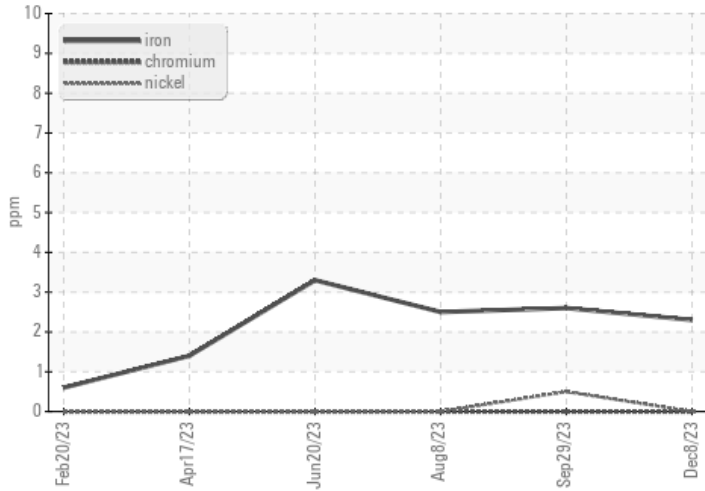


CONSTRUCTION EQUIPMENT

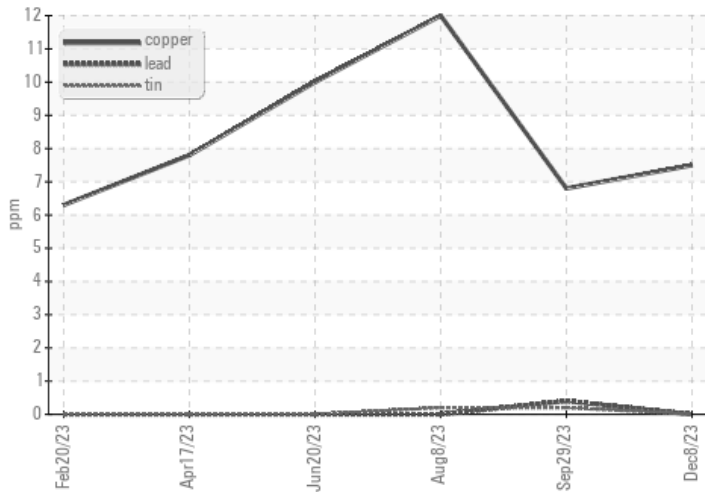


VOLVO GRAPHS

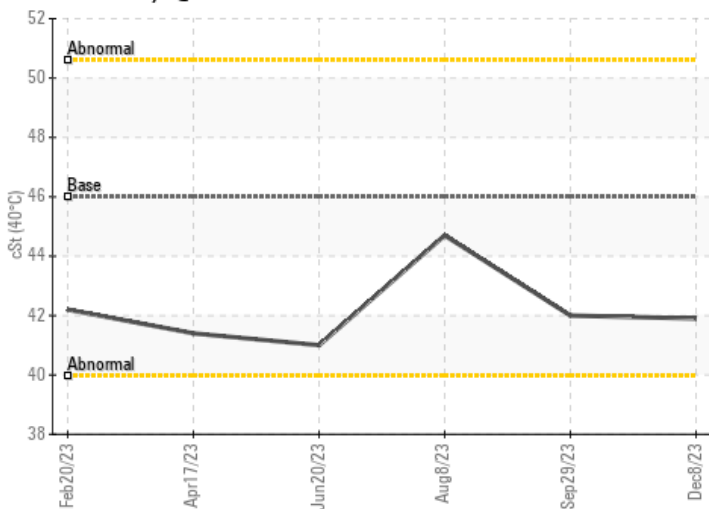
Ferrous Alloys



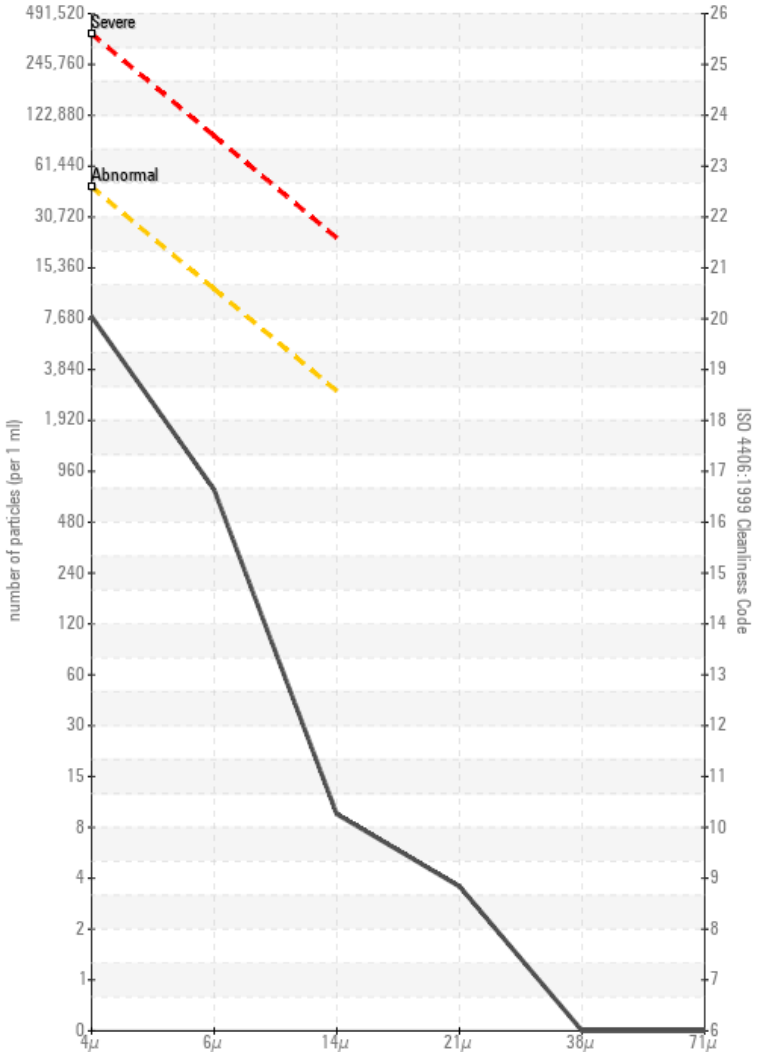
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

