



CONSTRUCTION EQUIPMENT

135630 VOLVO EC750E 314191 - HYDRAULIC SYSTEM



Sample No: VCP443222
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 135630



SAMPLE INFORMATION

Sample Number	VCP443222	VCP431188	VCP429956	VCP416017
Sample Date	20 Feb 2024	08 Dec 2023	29 Sep 2023	08 Aug 2023
Machine Hours	3520	3036	2487	2037
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	42.0	41.9	42.0	44.7
Acid Number (AN)	mg KOH/g	0.46	0.44	0.44	0.53



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5550	6885	6464	10512
Particles >6µm		412	655	1112	2687
Particles >14µm		9	8	32	185
ISO 4406:1999 (c)		20/16/10	20/17/10	20/17/12	21/19/15
Silicon	ppm	4	3	1	2
Sodium	ppm	2	<1	0	2
Potassium	ppm	0	0	<1	<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	4	2	3	2
Copper	ppm	9	8	7	12
Lead	ppm	0	0	<1	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	<1	0	<1
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	0	0	<1	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	<1	<1	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	<1	0	<1



ADDITIVES

Calcium	ppm	51	84	61	80
Magnesium	ppm	0	0	1	7
Zinc	ppm	402	447	472	464
Phosphorus	ppm	337	375	358	378
Barium	ppm	<1	0	0	<1
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10898315
Signed: Wes Davis
Report Date: 27 Feb 2024

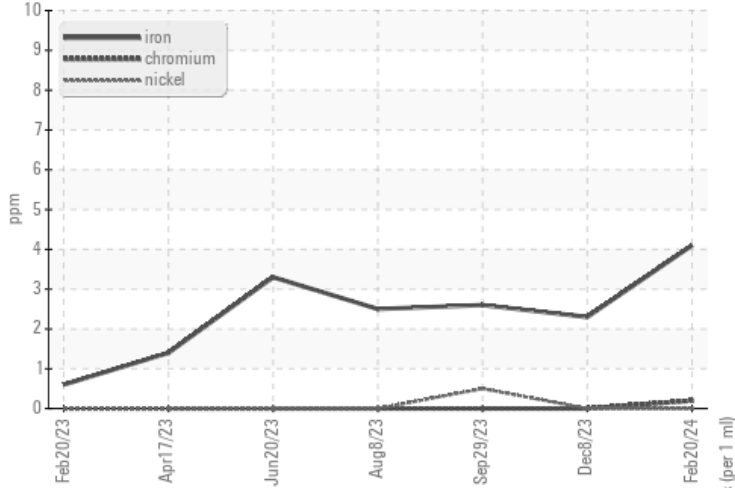


CONSTRUCTION EQUIPMENT

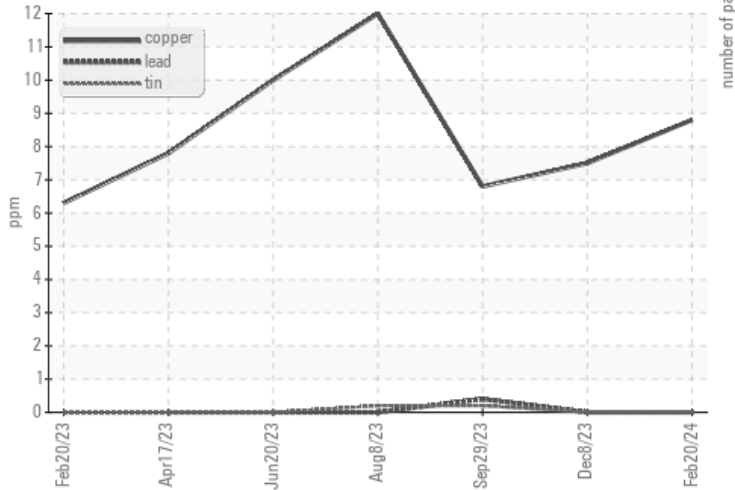


GRAPHS

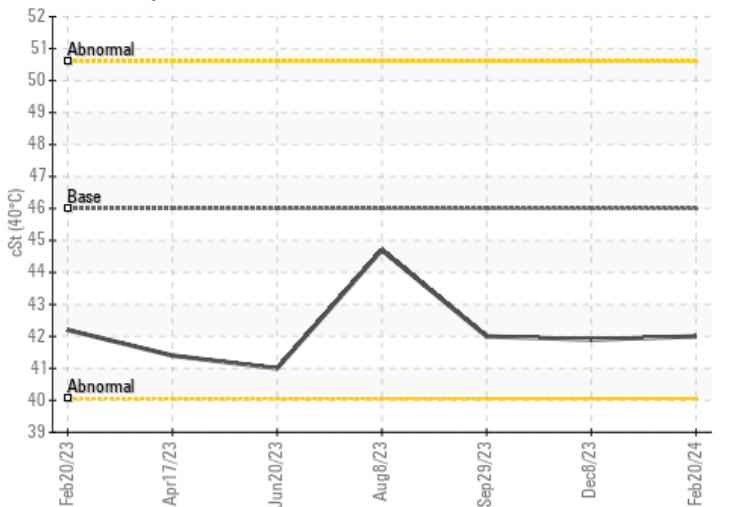
Ferrous Alloys



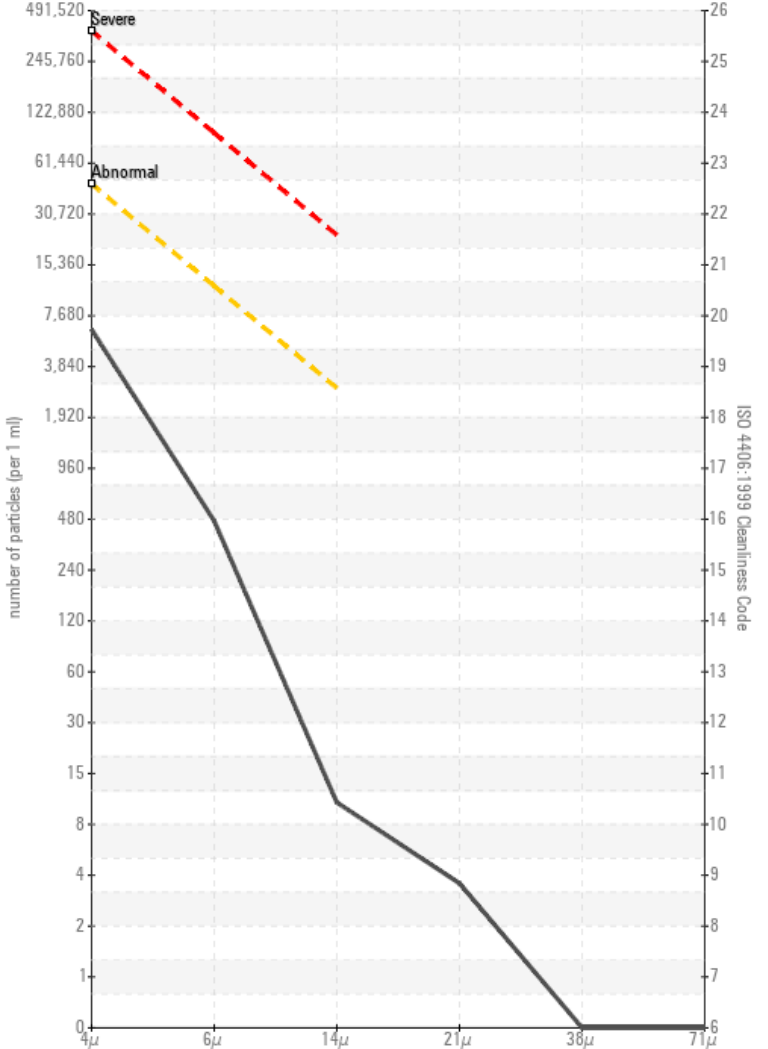
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

