



CONSTRUCTION EQUIPMENT

136104 VOLVO EC750E 314191 - HYDRAULIC SYSTEM



Sample No: VCP430926
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 136104



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
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SAMPLE INFORMATION

Sample Number	VCP430926	VCP443222	VCP431188	VCP429956
Sample Date	17 Apr 2024	20 Feb 2024	08 Dec 2023	29 Sep 2023
Machine Hours	3963	3520	3036	2487
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	42.0	42.0	41.9	42.0
Acid Number (AN)	mg KOH/g	0.52	0.46	0.44	0.44

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		▲ 120453	5550	6885	6464
Particles >6µm		▲ 42504	412	655	1112
Particles >14µm		432	9	8	32
ISO 4406:1999 (c)		24/23/16	20/16/10	20/17/10	20/17/12
Silicon	ppm	5	4	3	1
Sodium	ppm	<1	2	<1	0
Potassium	ppm	<1	0	0	<1

WEAR METALS

Iron	ppm	7	4	2	3
Copper	ppm	10	9	8	7
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	1	<1	0
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	<1	0	<1	0

ADDITIVES

Calcium	ppm	65	51	84	61
Magnesium	ppm	<1	0	0	1
Zinc	ppm	443	402	447	472
Phosphorus	ppm	348	337	375	358
Barium	ppm	0	<1	0	0
Boron	ppm	0	0	0	0

Diagnosis

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 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.

Depot: LATSCU
Unique No: 10991245
Signed: Wes Davis
Report Date: 23 Apr 2024

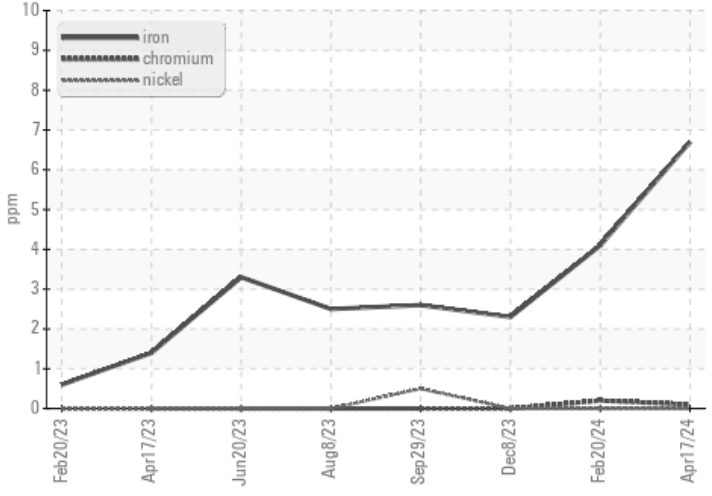


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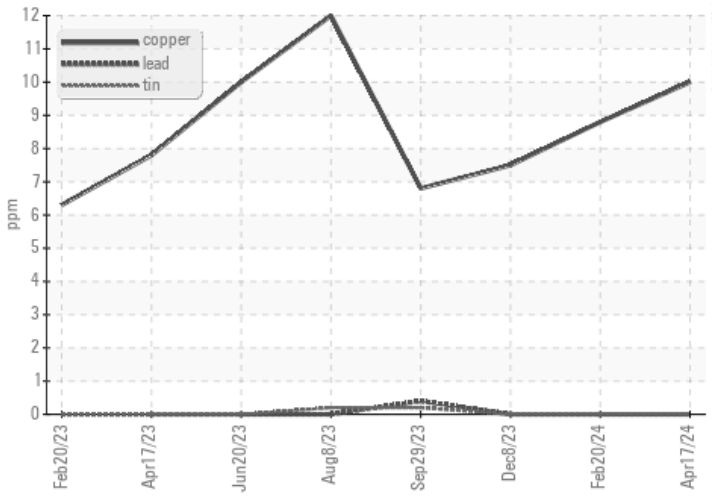


GRAPHS

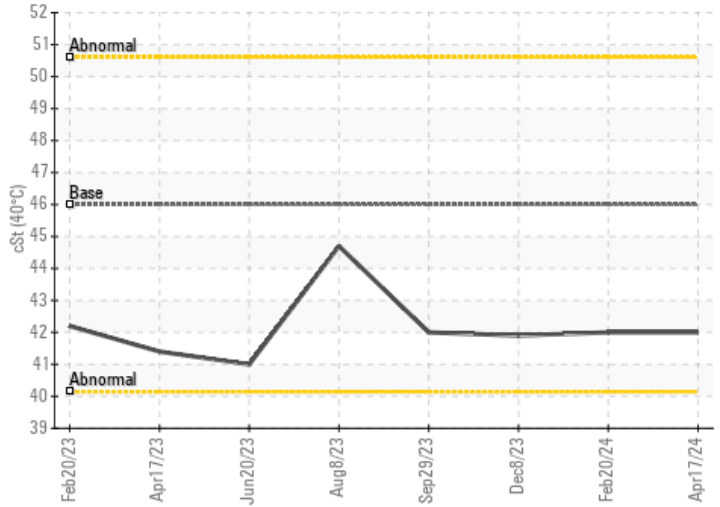
Ferrous Alloys



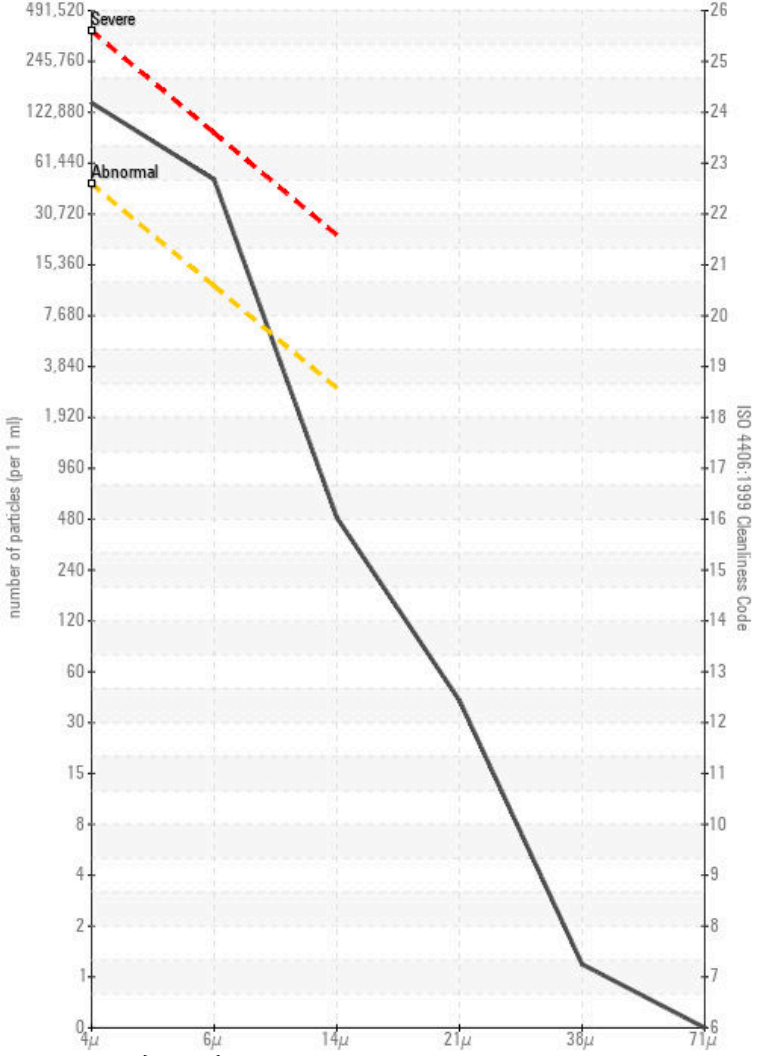
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

