



CONSTRUCTION EQUIPMENT

133988 VOLVO EC750E 314191 - HYDRAULIC SYSTEM



Sample No: VCP416017
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 133988



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

Sample Number	VCP416017	VCP418736	VCP410108	VCP393269
Sample Date	08 Aug 2023	20 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	2037	1596	985	488
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	44.7	41.0	41.4	42.2
Acid Number (AN)	mg KOH/g	0.53	0.52	0.45	0.44

CONTAMINATION

Particles >4µm		10512	---	27615	13679
Particles >6µm		2687	---	4560	1363
Particles >14µm		185	---	16	14
ISO 4406:1999 (c)		21/19/15	---	22/19/11	21/18/11
Silicon	ppm	2	2	1	<1
Sodium	ppm	2	<1	0	0
Potassium	ppm	<1	0	0	0

WEAR METALS

Iron	ppm	2	3	1	<1
Copper	ppm	12	10	8	6
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	80	82	83	94
Magnesium	ppm	7	0	1	2
Zinc	ppm	464	502	497	493
Phosphorus	ppm	378	423	401	397
Barium	ppm	<1	0	0	0
Boron	ppm	0	0	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LATSCU
Unique No: 10603271
Signed: Don Baldrige
Report Date: 15 Aug 2023

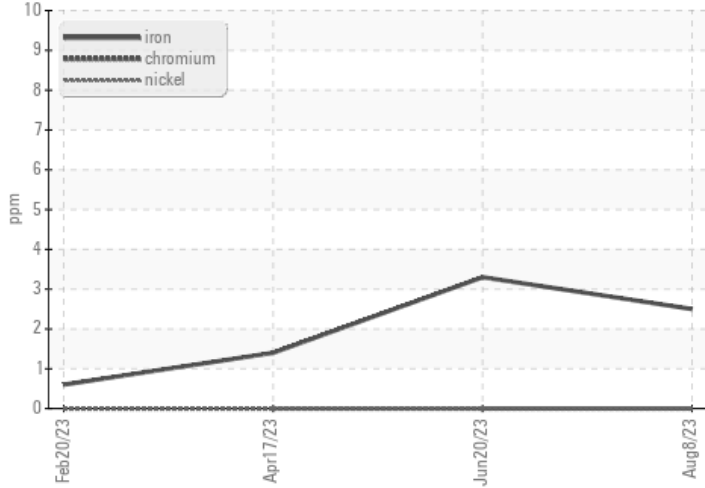


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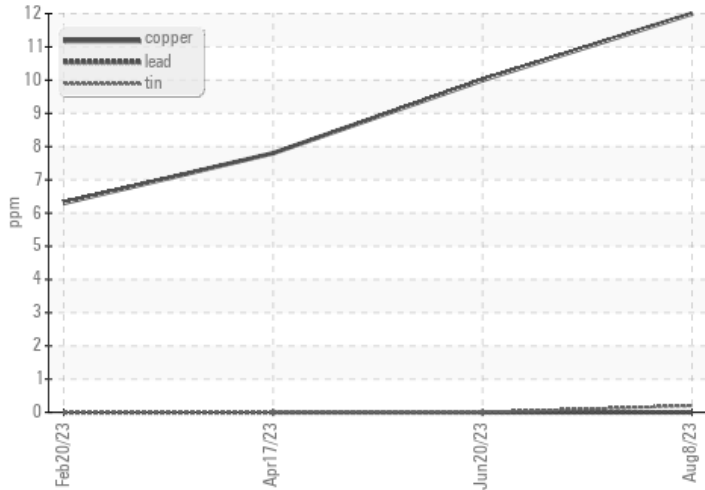


VOLVO GRAPHS

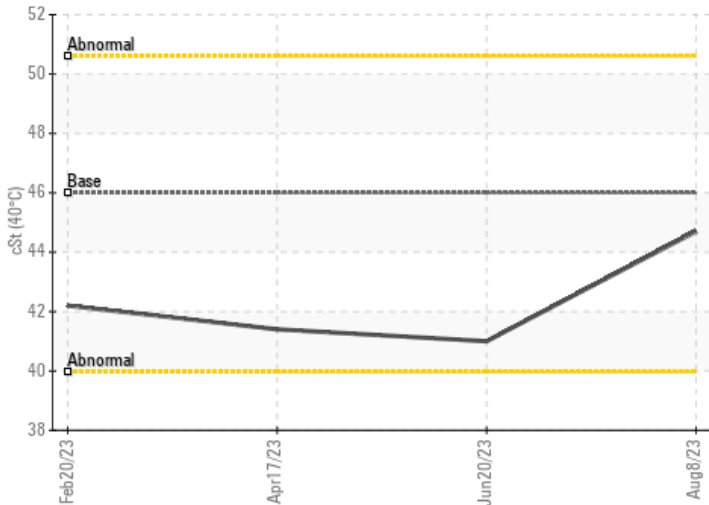
Ferrous Alloys



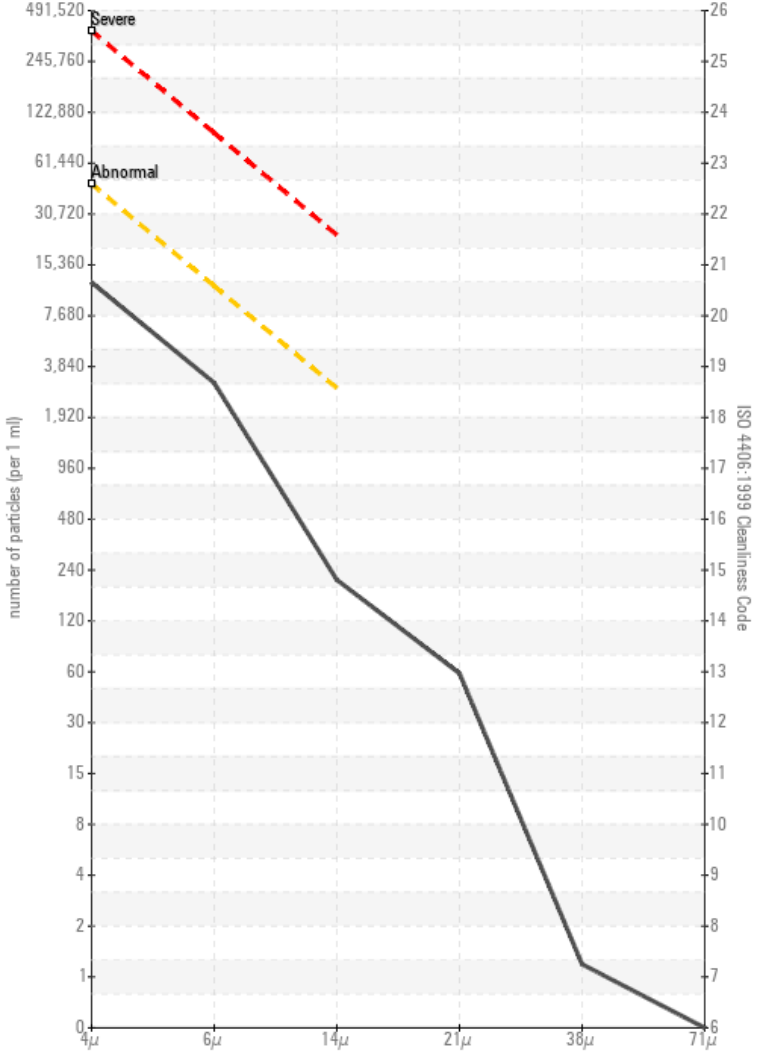
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

