



CONSTRUCTION EQUIPMENT

0630 VOLVO EC750E 314043 - HYDRAULIC SYSTEM



Sample No: VCP439260
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 0630



SAMPLE INFORMATION

Sample Number	VCP439260	VCP440110	VCP417615	VCP406002
Sample Date	17 Jan 2024	21 Sep 2023	05 Jul 2023	20 Apr 2023
Machine Hours	4913	4441	3974	3513
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

BLUE GOOSE GROWERS

16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	42.8	53.1	39.9	39.6
Acid Number (AN)	mg KOH/g	0.43	0.40	0.37	0.48

T: (772)461-3020
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		9763	▲ 83497	2057	946
Particles >6µm		587	▲ 22094	168	178
Particles >14µm		19	682	4	10
ISO 4406:1999 (c)		20/16/11	24/22/17	18/15/9	17/15/10
Silicon	ppm	1	1	2	1
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	1	0	0	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	2	4	4
Copper	ppm	3	5	11	14
Lead	ppm	1	0	0	0
Tin	ppm	1	0	0	0
Aluminum	ppm	2	<1	<1	1
Chromium	ppm	<1	<1	2	2
Molybdenum	ppm	2	<1	0	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	0	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	135	68	65	63
Magnesium	ppm	10	7	3	0
Zinc	ppm	500	432	412	448
Phosphorus	ppm	353	355	354	355
Barium	ppm	<1	0	0	0
Boron	ppm	2	0	0	0

Depot: BLUFOR
Unique No: 10845011
Signed: Wes Davis
Report Date: 24 Jan 2024

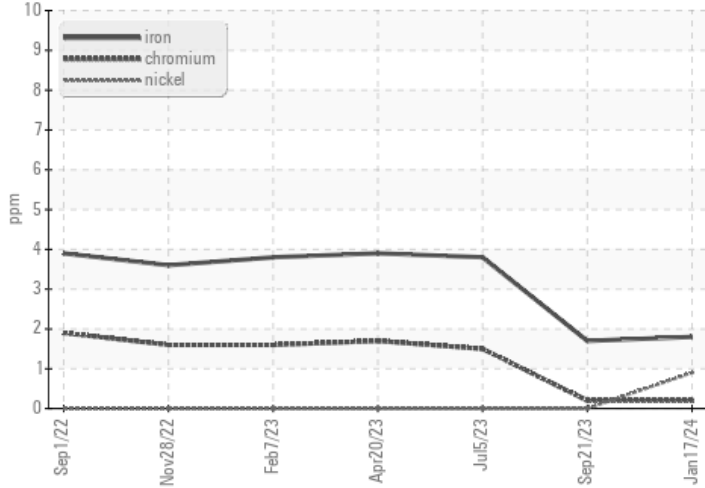


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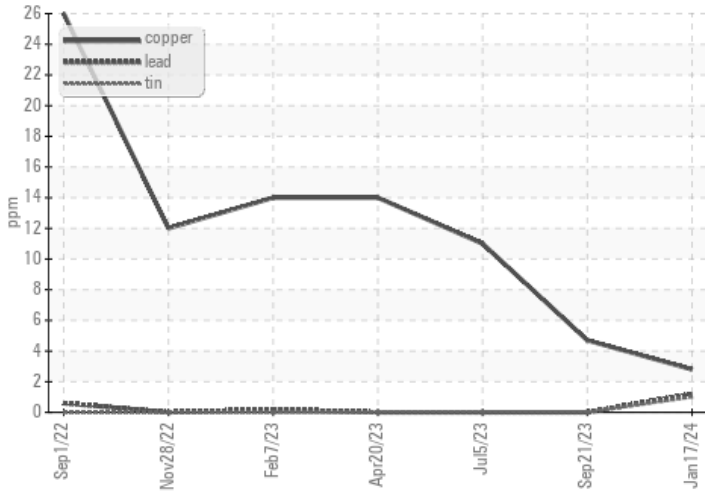


GRAPHS

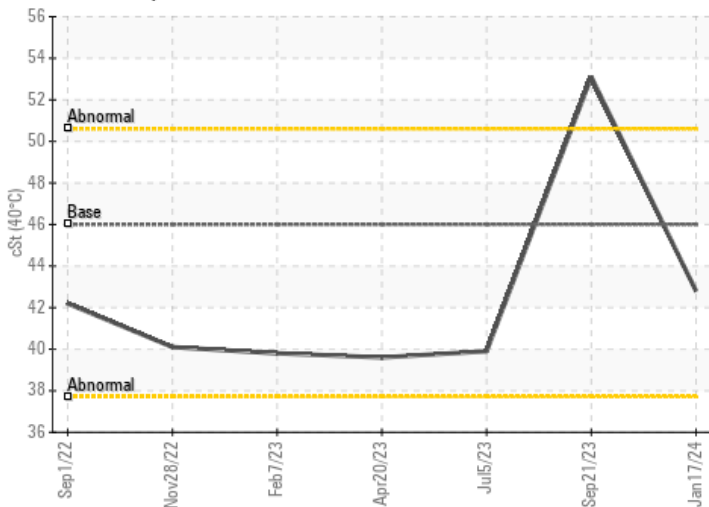
Ferrous Alloys



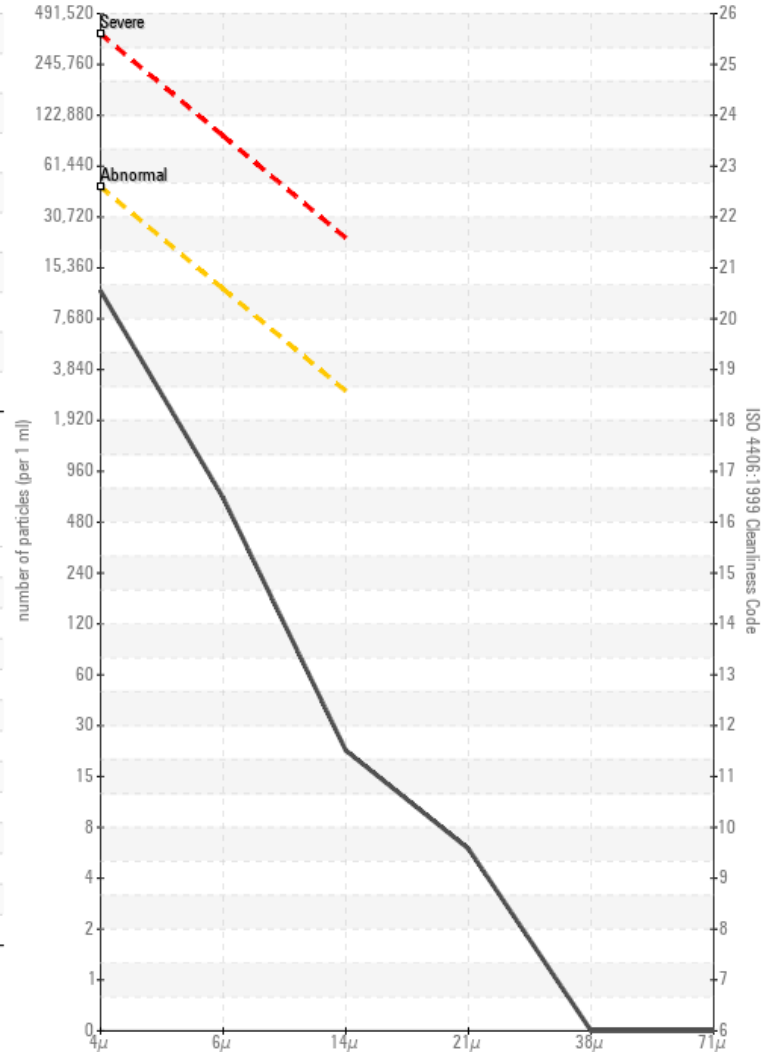
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

