



CONSTRUCTION EQUIPMENT

SWA357890 ALPINE DEM VOLVO EC750EHR 391010 - HYDRAULIC SYSTEM



Sample No: VCP422983
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA357890 ALPINE DEM



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
 T: (312)350-2560
 F:

SAMPLE INFORMATION

Sample Number	VCP422983	VCP390785	VCP415424	VCP350502
Sample Date	12 Sep 2023	12 Sep 2023	06 Sep 2023	17 Dec 2021
Machine Hours	1989	1985	1979	1015
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	---	ABNORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	41.9	42.1	43.1	46.8
Acid Number (AN)	mg KOH/g	0.39	0.38	0.47	0.531

CONTAMINATION

Water	%	---	▲ 0.251	▲ 0.854	---
Particles >4µm		34593	---	---	23201
Particles >6µm		362	---	---	426
Particles >14µm		11	---	---	7
ISO 4406:1999 (c)		22/16/11	---	---	22/16/10
Silicon	ppm	1	1	3	1
Sodium	ppm	1	<1	2	1
Potassium	ppm	<1	1	1	0

WEAR METALS

Iron	ppm	6	6	14	5
Copper	ppm	7	7	11	9
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	138	134	212	169
Magnesium	ppm	5	4	5	4
Zinc	ppm	497	506	550	557
Phosphorus	ppm	412	417	451	411
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	2

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.

Depot: VOLVO8885
Unique No: 10658213
Signed: Wes Davis
Report Date: 22 Sep 2023

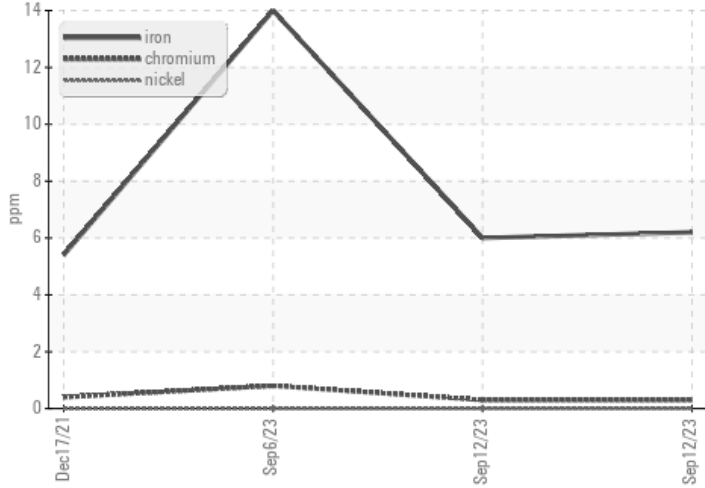


CONSTRUCTION EQUIPMENT

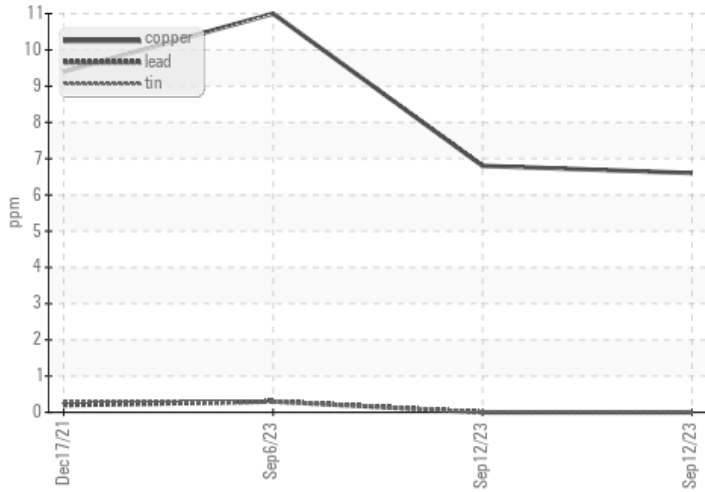


VOLVO GRAPHS

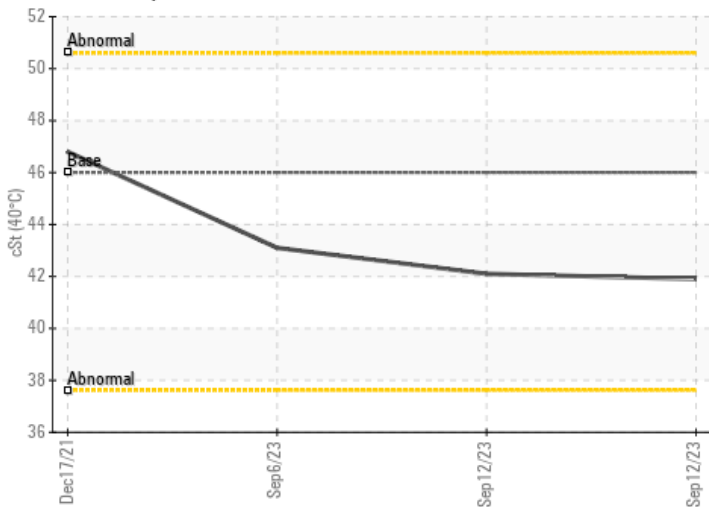
Ferrous Alloys



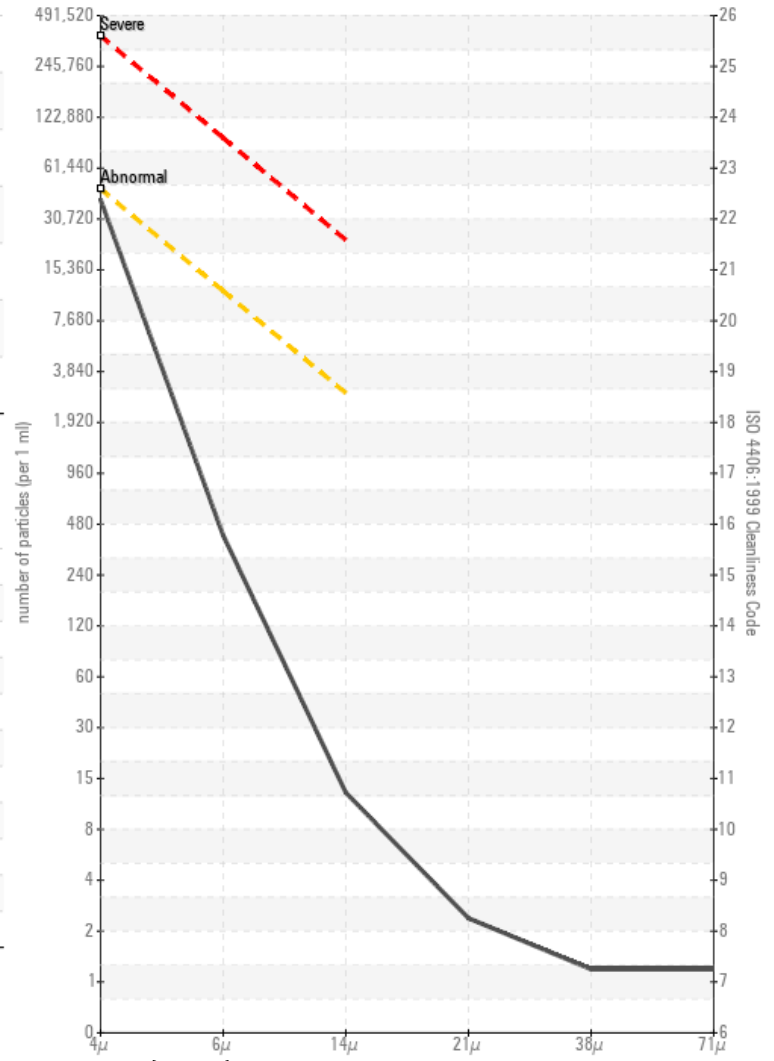
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

