



CONSTRUCTION EQUIPMENT

A10813 VOLVO ECR235E 315063 - HYDRAULIC SYSTEM



Sample No: VCP430667
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A10813



SAMPLE INFORMATION

Sample Number	VCP430667	VCP422821	VCP385721	---
Sample Date	12 Oct 2023	01 Jun 2023	22 Sep 2022	---
Machine Hours	2480	1990	940	---
Oil Hours	2480	2000	940	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

WASTE MANAGEMENT - TELFORD
 400 PROGRESS DR
 TELFORD, PA
 US 18969-1191
 Contact: EDWARD ROGENER
 erogener@wm.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	45.0	44.4	44.5	---
Acid Number (AN)	mg KOH/g	0.43	0.69	0.61	---



CONTAMINATION

Particles >4µm		8712	1006	513	---
Particles >6µm		1829	264	111	---
Particles >14µm		168	29	10	---
ISO 4406:1999 (c)		20/18/15	17/15/12	16/14/10	---
Silicon	ppm	4	6	6	---
Sodium	ppm	0	3	2	---
Potassium	ppm	2	<1	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.



WEAR METALS

Iron	ppm	2	2	0	---
Copper	ppm	9	18	18	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	2	<1	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	121	111	99	---
Magnesium	ppm	5	<1	3	---
Zinc	ppm	555	758	749	---
Phosphorus	ppm	435	586	524	---
Barium	ppm	3	0	0	---
Boron	ppm	0	0	0	---

Depot: WASTEL
Unique No: 10711766
Signed: Don Baldrige
Report Date: 27 Oct 2023

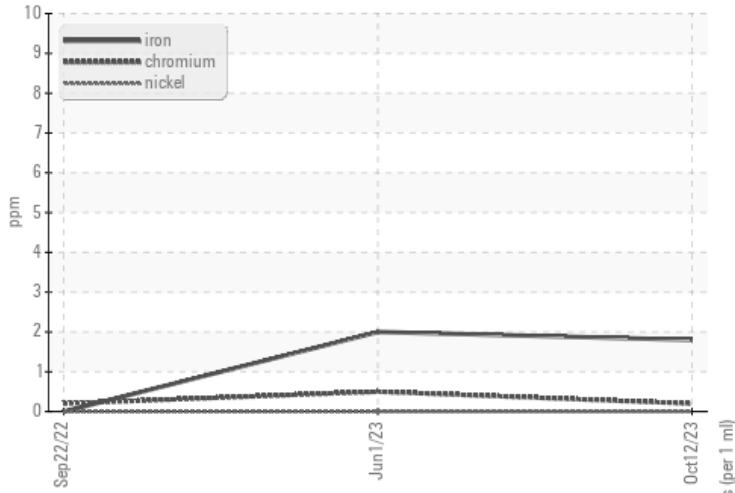


CONSTRUCTION EQUIPMENT

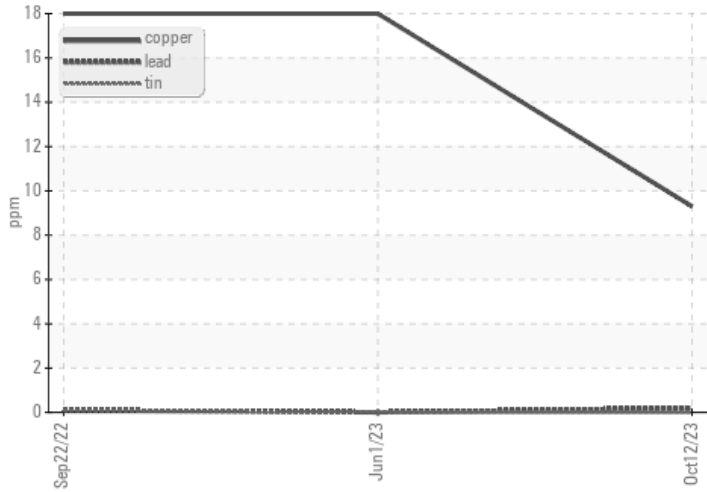


VOLVO GRAPHS

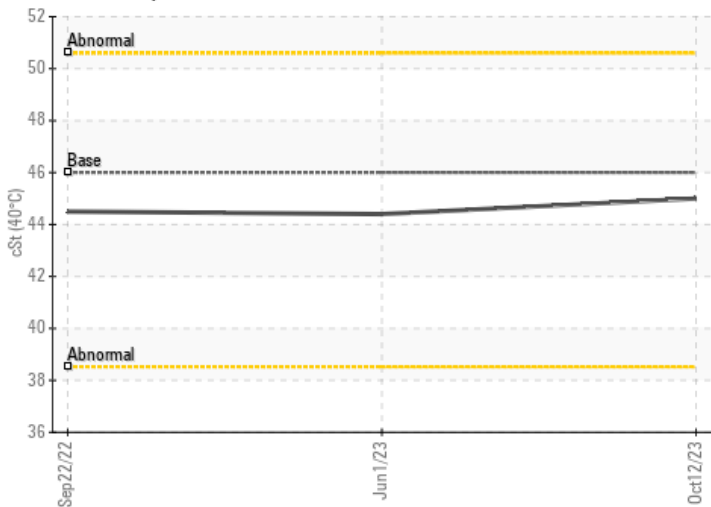
Ferrous Alloys



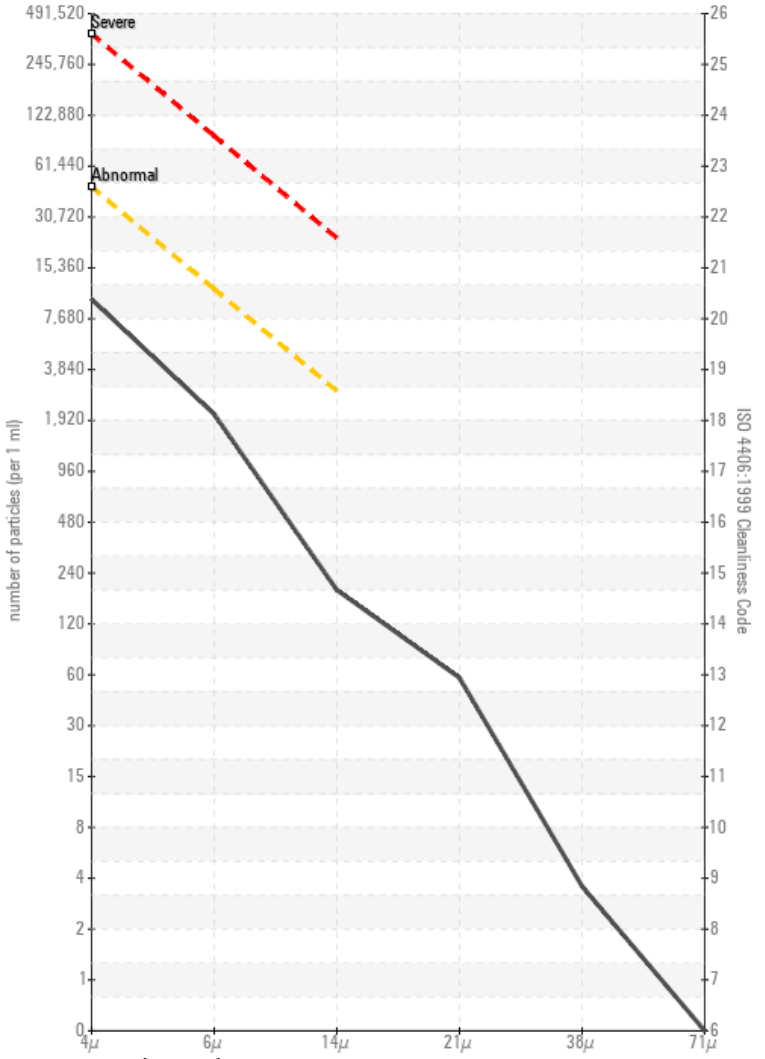
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

