



CONSTRUCTION EQUIPMENT

A12466 VOLVO ECR235E 315472 - HYDRAULIC SYSTEM



Sample No: VCP439382
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A12466



SAMPLE INFORMATION

Sample Number	VCP439382	VCP413660	---	---
Sample Date	15 Apr 2024	15 Aug 2023	---	---
Machine Hours	1005	465	---	---
Oil Hours	1005	465	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	42.5	46.1	---	---
Acid Number (AN)	mg KOH/g	0.55	0.56	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		9229	---	---	---
Particles >6µm		465	---	---	---
Particles >14µm		14	---	---	---
ISO 4406:1999 (c)		20/16/11	---	---	---
Silicon	ppm	6	2	---	---
Sodium	ppm	<1	0	---	---
Potassium	ppm	0	<1	---	---

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	5	0	---	---
Copper	ppm	19	0	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	2	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	229	204	---	---
Magnesium	ppm	2	20	---	---
Zinc	ppm	568	451	---	---
Phosphorus	ppm	421	357	---	---
Barium	ppm	0	0	---	---
Boron	ppm	2	4	---	---

Depot: JAAPHI
Unique No: 10991252
Signed: Wes Davis
Report Date: 23 Apr 2024

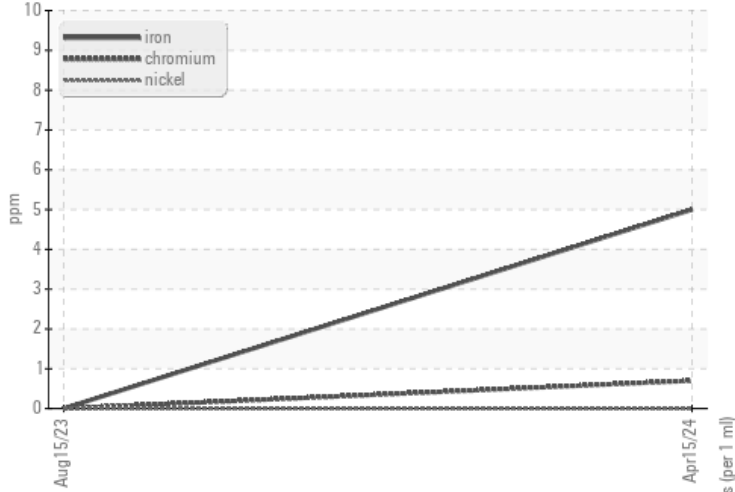


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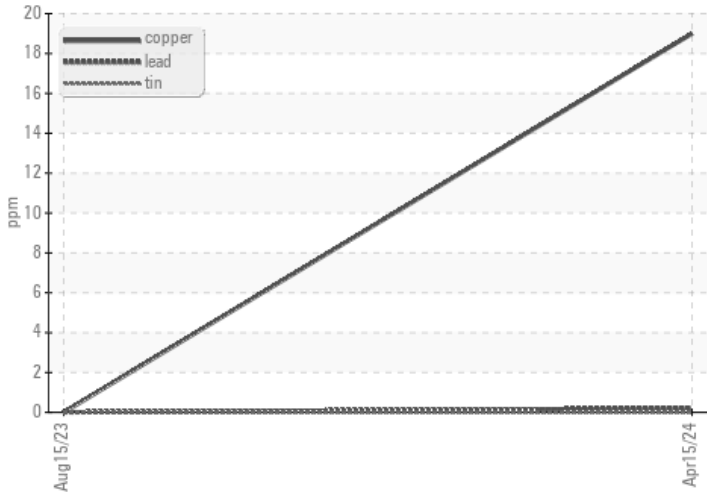


GRAPHS

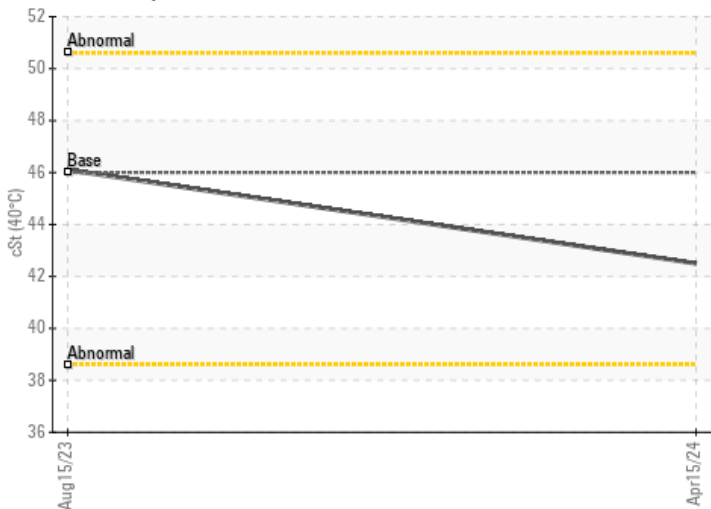
Ferrous Alloys



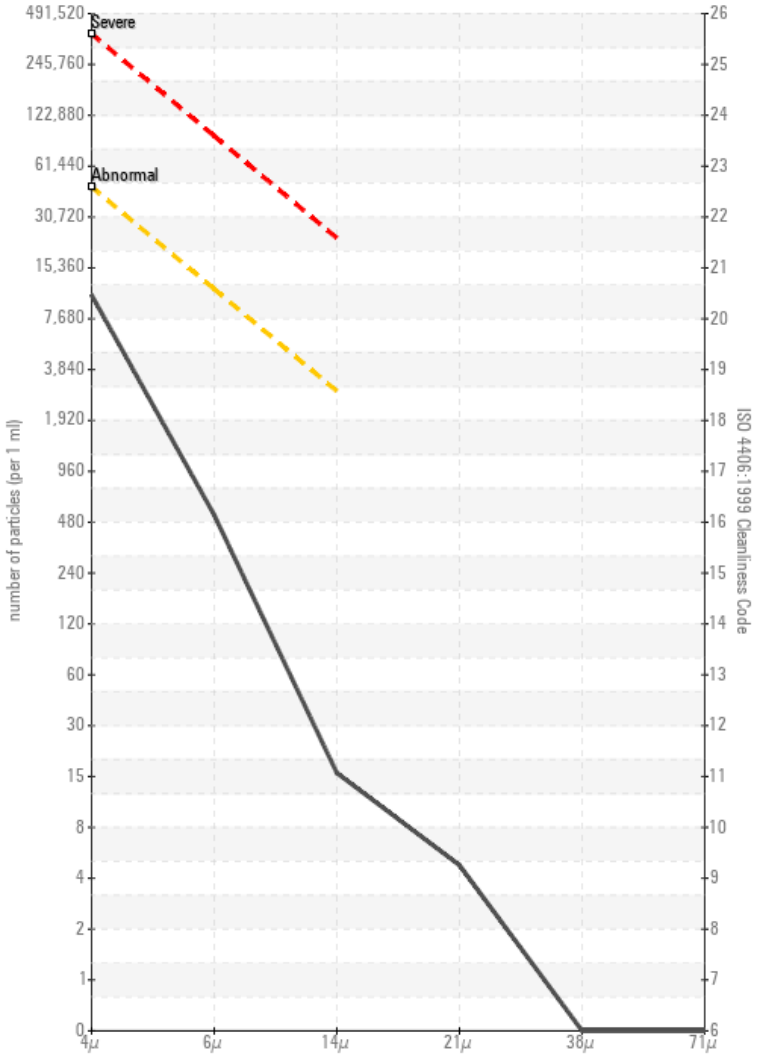
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

