



CONSTRUCTION EQUIPMENT

W07007469-2 VOLVO EC350EL 3 10856 - HYDRAULIC SYSTEM



Sample No: VCP416134
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: W07007469-2



SAMPLE INFORMATION

Sample Number	VCP416134	VCP361915	---	---
Sample Date	23 Aug 2023	17 Mar 2022	---	---
Machine Hours	3993	1998	---	---
Oil Hours	400	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	42.4	42.7	---	---
Acid Number (AN)	mg KOH/g	0.43	0.46	---	---



CONTAMINATION

Particles >4µm		1011	6145	---	---
Particles >6µm		106	164	---	---
Particles >14µm		18	18	---	---
ISO 4406:1999 (c)		17/14/11	20/15/11	---	---
Silicon	ppm	3	4	---	---
Sodium	ppm	2	0	---	---
Potassium	ppm	0	1	---	---

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	6	5	---	---
Copper	ppm	15	25	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	2	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	106	59	---	---
Magnesium	ppm	5	1	---	---
Zinc	ppm	426	432	---	---
Phosphorus	ppm	377	351	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0002
Unique No: 10620589
Signed: Don Baldrige
Report Date: 28 Aug 2023

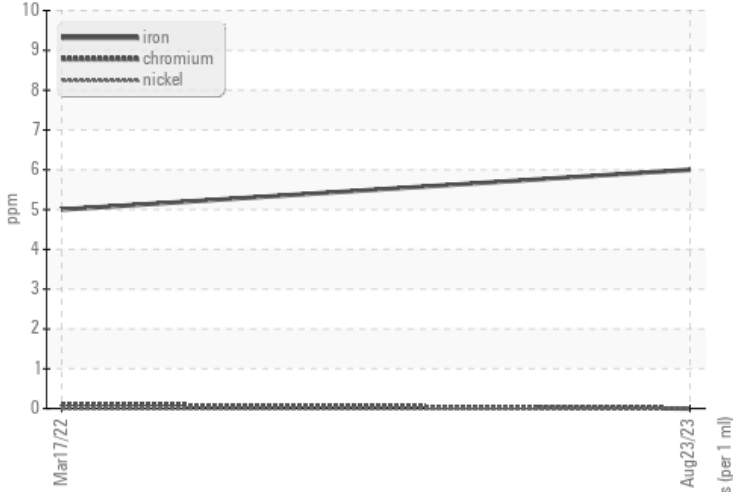


CONSTRUCTION EQUIPMENT

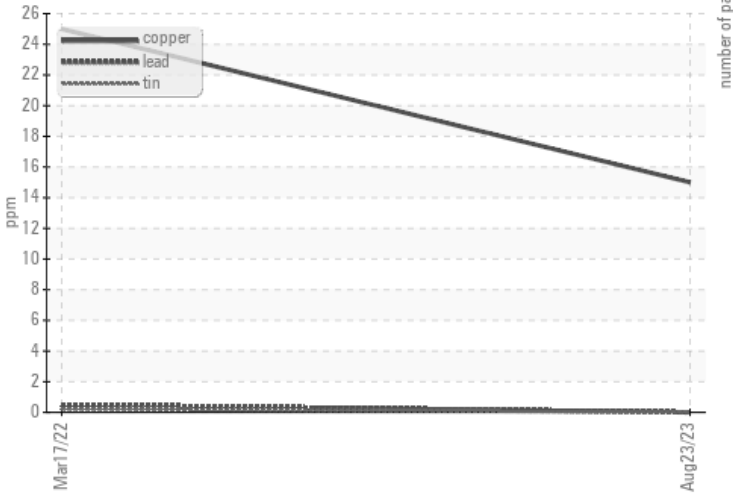


VOLVO GRAPHS

Ferrous Alloys



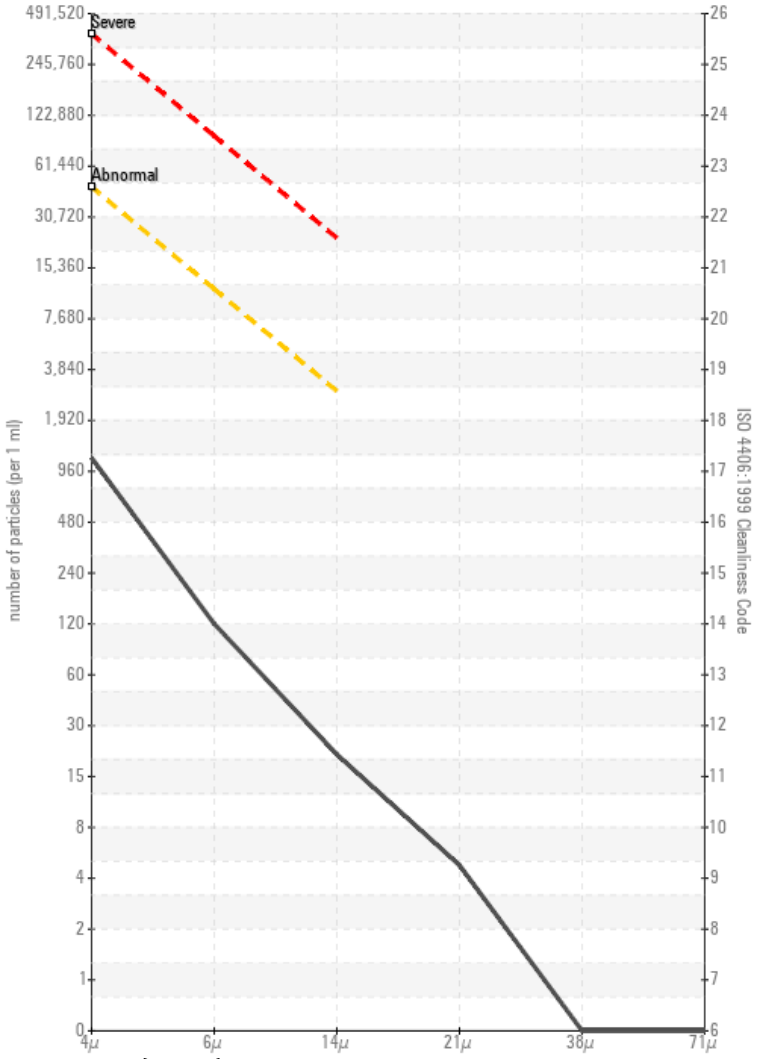
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

