



CONSTRUCTION EQUIPMENT

SWA350844-10 VOLVO EC300E 314225 - HYDRAULIC SYSTEM



Sample No: VCP420315
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SWA350844-10



SAMPLE INFORMATION

Sample Number	VCP420315	VCP405637	VCP374140	VCP322101
Sample Date	07 Sep 2023	19 Jun 2023	10 Jun 2022	11 Feb 2022
Machine Hours	4869	4288	2242	1600
Oil Hours	0	0	2000	1600
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DENALI WE CARE
 400 TORNE RD
 HILLBURN, NY
 US 10931
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	40.6	40.8	41.6	42.1
Acid Number (AN)	mg KOH/g	0.39	0.50	0.46	0.42

T:
F:



CONTAMINATION

Particles >4µm	1321	10598	6763	12639	
Particles >6µm	278	1380	753	2063	
Particles >14µm	15	67	55	181	
ISO 4406:1999 (c)	18/15/11	21/18/13	20/17/13	21/18/15	
Silicon	ppm	3	3	3	2
Sodium	ppm	<1	0	0	<1
Potassium	ppm	0	<1	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	4	3	3	3
Copper	ppm	18	18	21	19
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	<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	<1	<1
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	55	45	64	77
Magnesium	ppm	2	<1	0	0
Zinc	ppm	414	402	425	478
Phosphorus	ppm	254	351	363	413
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	2

Depot: DENHIL
Unique No: 10655150
Signed: Wes Davis
Report Date: 20 Sep 2023

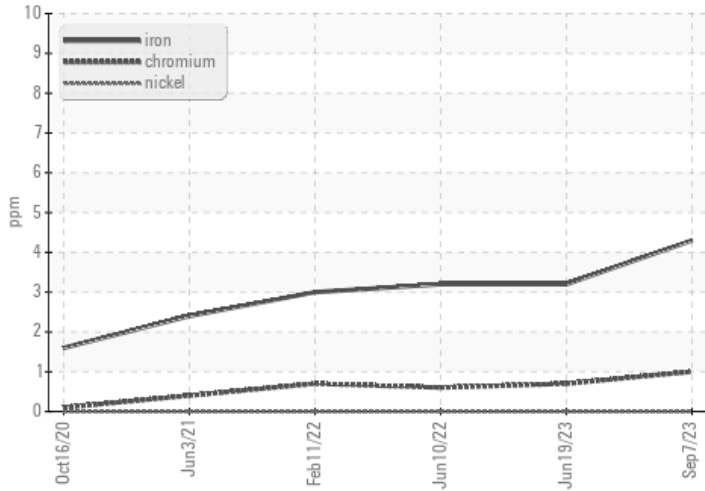


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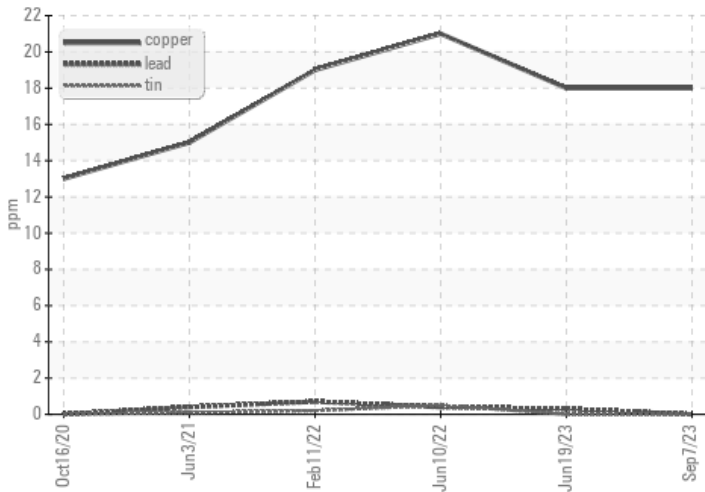


VOLVO GRAPHS

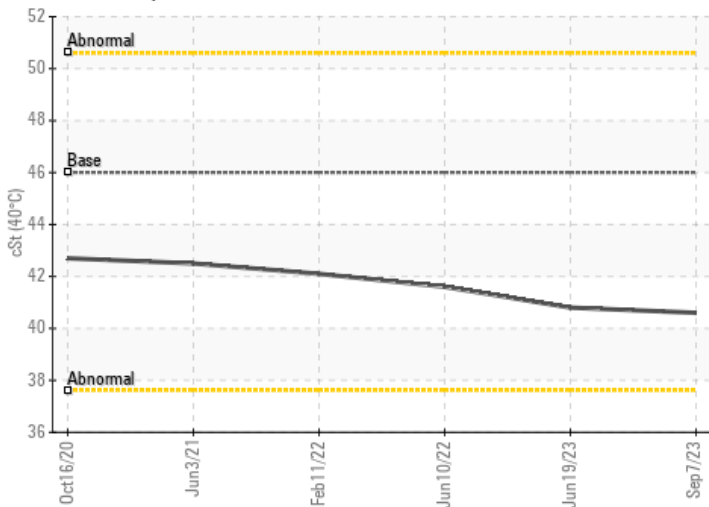
Ferrous Alloys



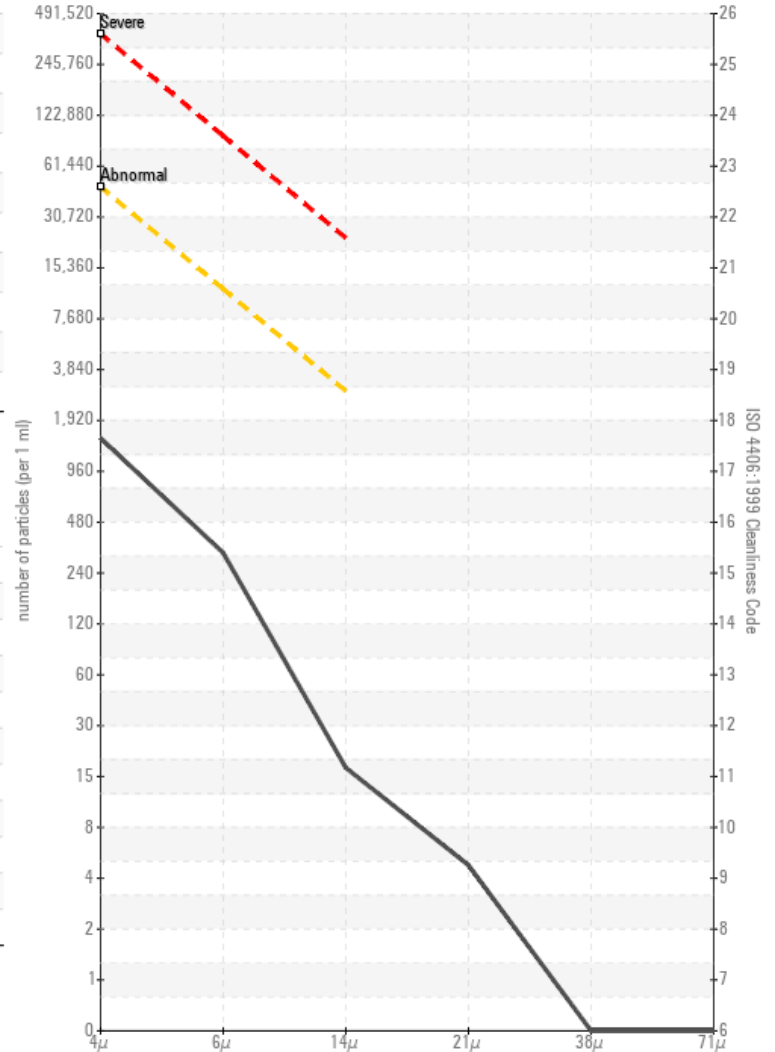
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

