



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 59575 VOLVO EC380E 315145 - HYDRAULIC SYSTEM



Sample No: VCP420552
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 59575



CD PHILEMON GRADING AND TRUCKING INC
3512 TARLTON MILL RD
MARSHVILLE, NC
US 28174
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	VCP420552	VCP0004600	---	---
Sample Date	02 Oct 2023	20 Sep 2022	---	---
Machine Hours	1140	485	---	---
Oil Hours	0	485	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	41.3	42.3	---	---
Acid Number (AN)	mg KOH/g	0.44	0.48	---	---



CONTAMINATION

Particles >4µm		3655	2180	---	---
Particles >6µm		418	450	---	---
Particles >14µm		10	42	---	---
ISO 4406:1999 (c)		19/16/10	18/16/13	---	---
Silicon	ppm	4	3	---	---
Sodium	ppm	1	0	---	---
Potassium	ppm	1	<1	---	---



WEAR METALS

Iron	ppm	2	0	---	---
Copper	ppm	18	11	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	90	103	---	---
Magnesium	ppm	<1	9	---	---
Zinc	ppm	560	506	---	---
Phosphorus	ppm	406	389	---	---
Barium	ppm	0	2	---	---
Boron	ppm	0	0	---	---

T:
F:

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: CDPMAR
Unique No: 10675431
Signed: Wes Davis
Report Date: 05 Oct 2023

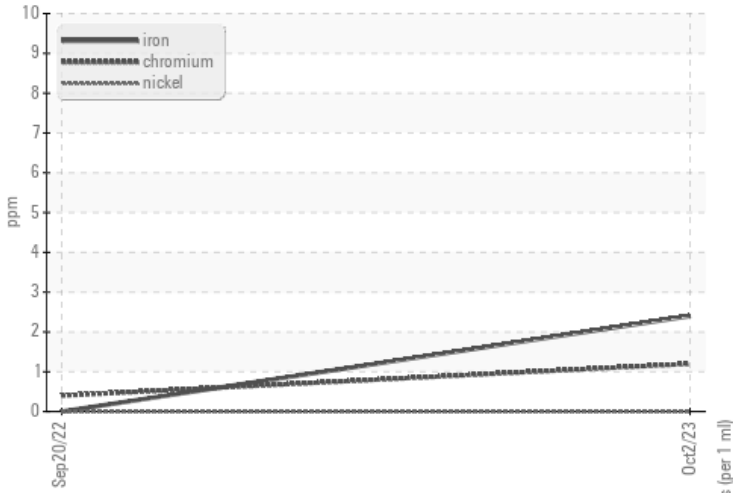


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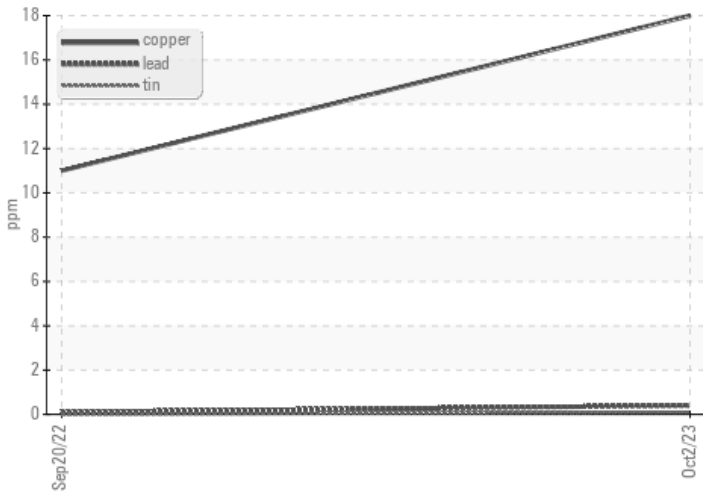


GRAPHS

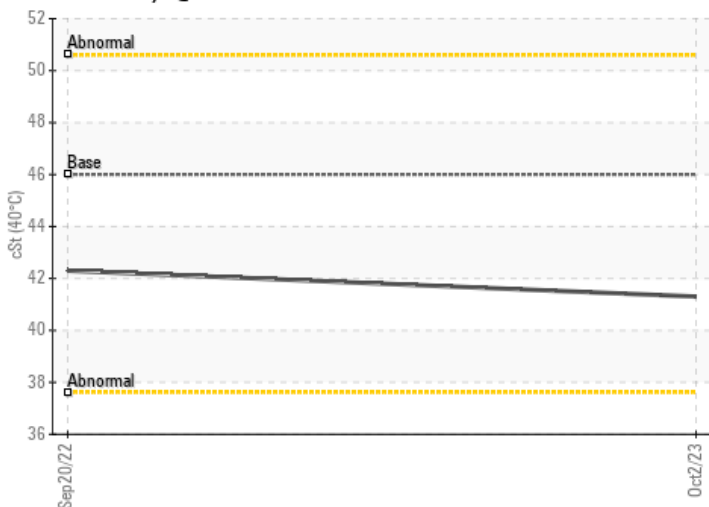
Ferrous Alloys



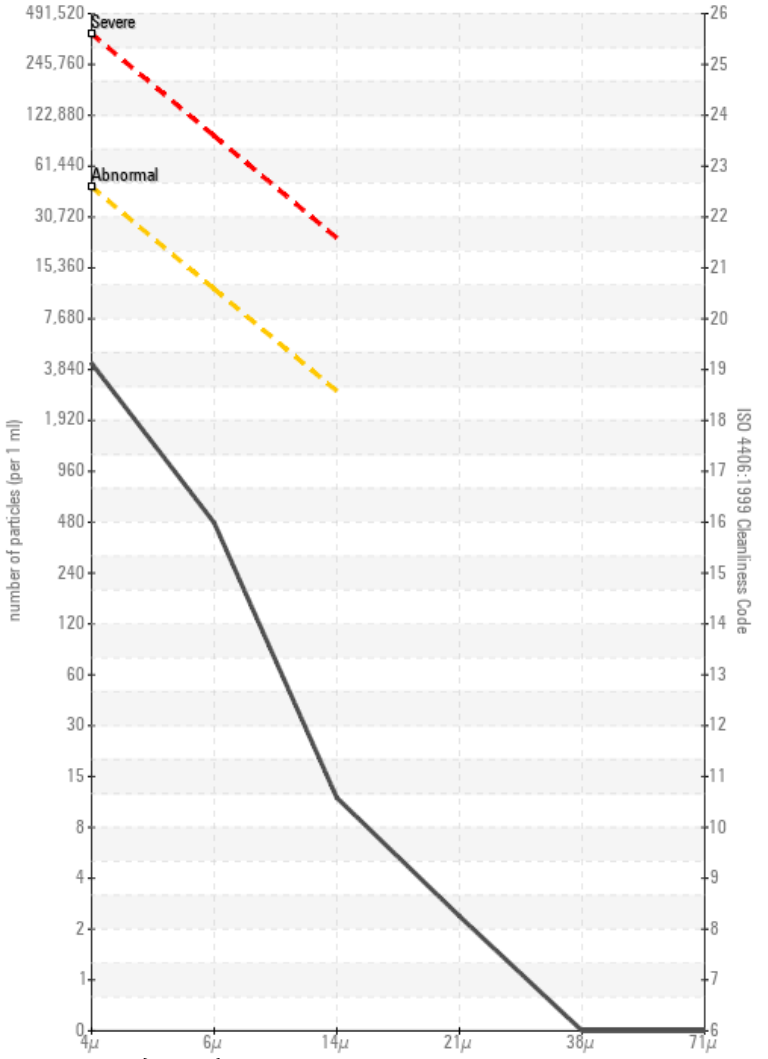
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

