



CONSTRUCTION EQUIPMENT

9500 KENT NARROWS BO WIGGINS W3.2 M2-150-45 190021 - HYDRAULIC SYSTEM



Sample No: VCP413841
Oil Type: CHEVRON 1000 THF
Job No: 9500 KENT NARROWS BO



SAMPLE INFORMATION

Sample Number	VCP413841	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	3401	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.8	---	---	---
Acid Number (AN)	mg KOH/g	1.07	---	---	---



CONTAMINATION

Particles >4µm		68798	---	---	---
Particles >6µm		11746	---	---	---
Particles >14µm		381	---	---	---
ISO 4406:1999 (c)		23/21/16	---	---	---
Silicon	ppm	8	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	2	---	---	---

Diagnosis

We recommend that you drain the oil and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	15	---	---	---
Copper	ppm	592	---	---	---
Lead	ppm	382	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	3	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	3531	---	---	---
Magnesium	ppm	79	---	---	---
Zinc	ppm	1273	---	---	---
Phosphorus	ppm	1029	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	39	---	---	---

Depot: VOLV00150
Unique No: 10642424
Signed: Don Baldrige
Report Date: 12 Sep 2023



CONSTRUCTION EQUIPMENT

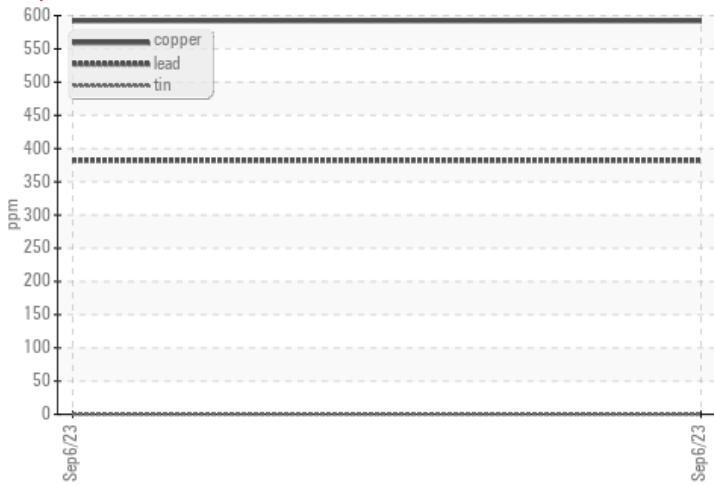


GRAPHS

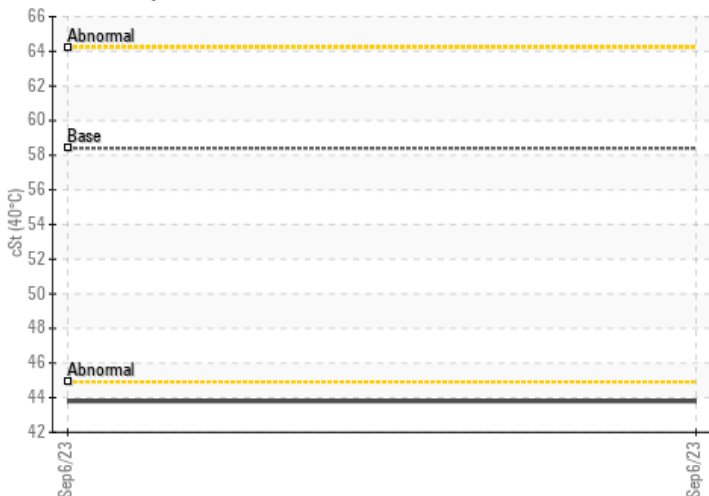
Ferrous Alloys



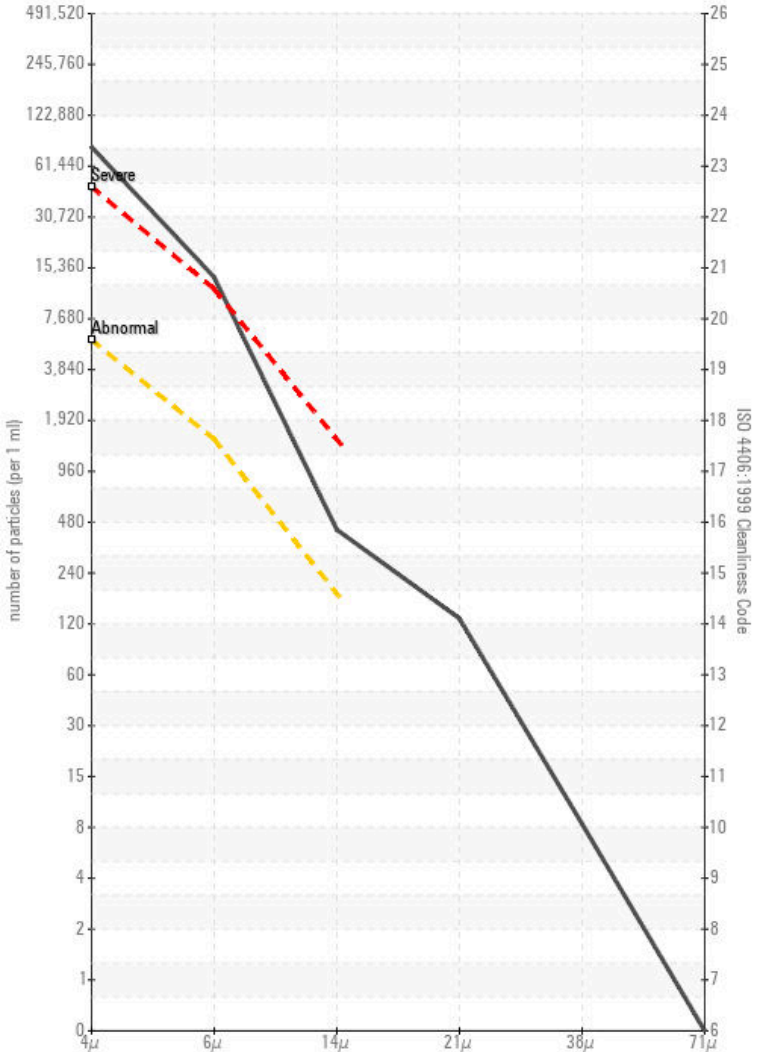
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

