



CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY/500 HOUR CSA VOLVO EC160E 1805 (S/N 310187) - HYDRAULIC SYSTEM



Sample No: VCP412407

Oil Type: NOT GIVEN

Job No:



SAMPLE INFORMATION

Sample Number	VCP412407	VCP05402319	---	---
Sample Date	21 Jul 2023	15 Nov 2021	---	---
Machine Hours	4937	3959	---	---
Oil Hours	0	4000	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



TRIANGLE GRADING AND PAVING INC

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 BURLINGTON, NC
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 Contact: ADAM CORBETT
 wacorbett@trianglegradingpaving.com
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OIL CONDITION

Visc @ 40°C	cSt	39.7	42.4	---	---
Acid Number (AN)	mg KOH/g	0.48	0.500	---	---



CONTAMINATION

Particles >4µm		---	36408	---	---
Particles >6µm		---	7382	---	---
Particles >14µm		---	433	---	---
ISO 4406:1999 (c)		---	22/20/16	---	---
Silicon	ppm	6	4	---	---
Sodium	ppm	<1	1	---	---
Potassium	ppm	<1	<1	---	---



WEAR METALS

Iron	ppm	10	10	---	---
Copper	ppm	19	38	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	4	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	188	185	---	---
Magnesium	ppm	52	98	---	---
Zinc	ppm	469	559	---	---
Phosphorus	ppm	379	438	---	---
Barium	ppm	2	0	---	---
Boron	ppm	4	0	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot: TRIBUR
Unique No: 10573172
Signed: Don Baldrige
Report Date: 27 Jul 2023

Submitted By: CHRISTOPHER CANIPE

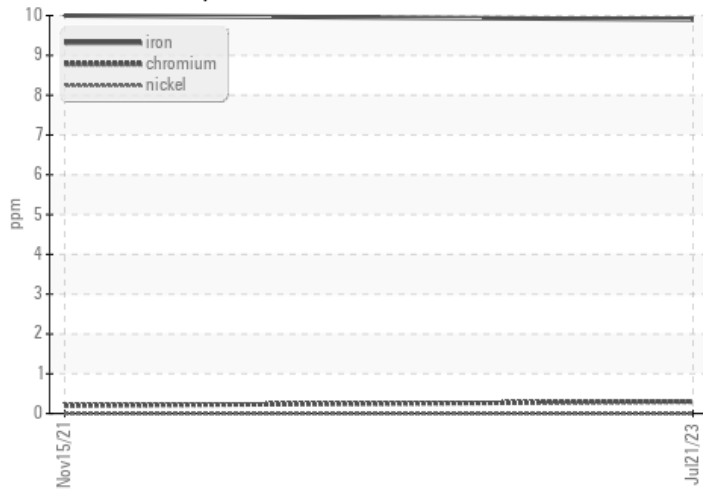


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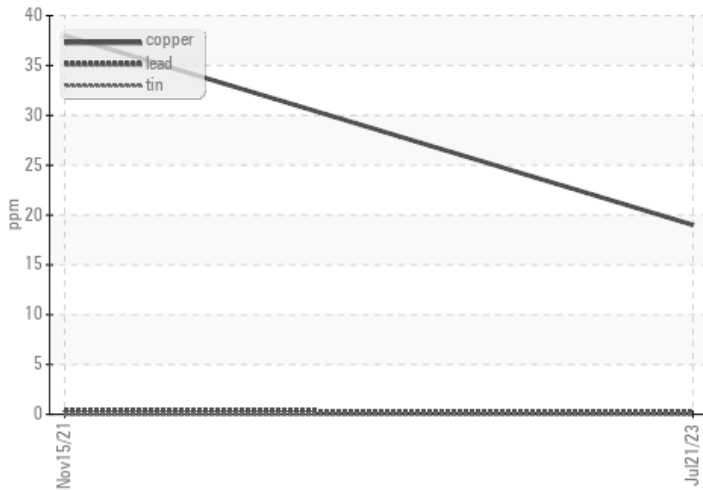


GRAPHS

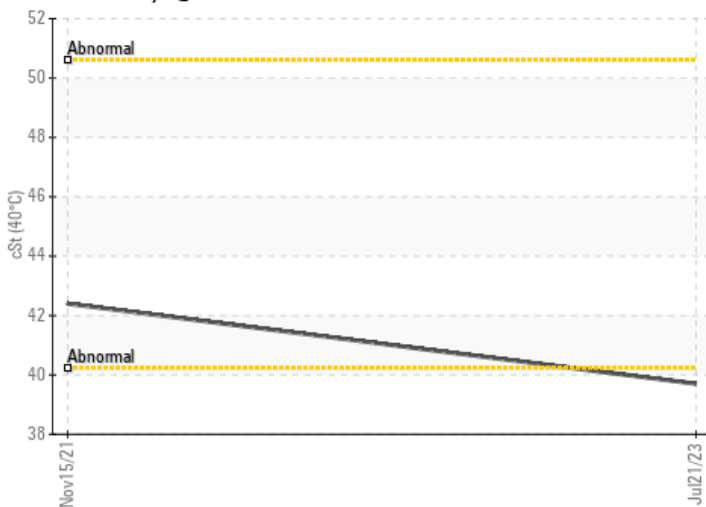
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

