



CONSTRUCTION EQUIPMENT

9832 VOLVO EC380E 314576 - REAR LEFT FINAL DRIVE



Sample No: VCP423108
Oil Type: CHEVRON DELO GEAR ESI OIL 85W140
Job No: 9832



SAMPLE INFORMATION

Sample Number	VCP423108	VCP365959	---	---
Sample Date	23 Oct 2023	05 Oct 2022	---	---
Machine Hours	2092	560	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

GAINES & CO
 112 WESTMINISTER RD
 REISTERSTOWN, MD
 US 21136
 Contact: MICHAEL GLADFELTER



OIL CONDITION

Visc @ 40°C	cSt	286	176	---	---
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T: (410)833-9833
 F: (410)833-9822



CONTAMINATION

Silicon	ppm	70	8	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	7	2	---	---

Diagnosis
 We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	229	165	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	13	1	---	---
Chromium	ppm	9	4	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	<1	1	---	---
Titanium	ppm	2	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	8	7	---	---
Magnesium	ppm	0	2	---	---
Zinc	ppm	0	9	---	---
Phosphorus	ppm	903	289	---	---
Barium	ppm	2	11	---	---
Boron	ppm	129	3	---	---

Depot: GAICOC
Unique No: 10715011
Signed: Sean Felton
Report Date: 31 Oct 2023

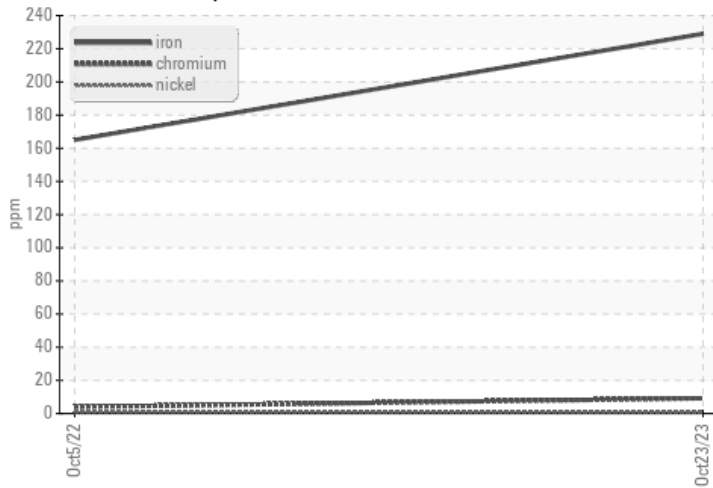


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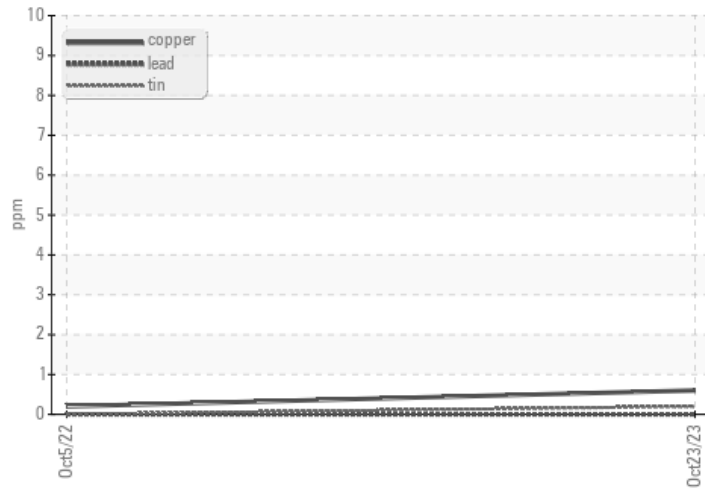


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

