



CONSTRUCTION EQUIPMENT

8-348419 VOLVO EC480E 310415 - REAR RIGHT FINAL DRIVE



Sample No: VCP353491

Oil Type: NOT GIVEN

Job No: 8-348419



SAMPLE INFORMATION

Sample Number	VCP353491	VCP298401	VCP232936	---
Sample Date	14 Dec 2022	10 Aug 2021	19 Nov 2019	---
Machine Hours	6005	3998	1980	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	ABNORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	79.7	178	249	---
-------------	-----	-------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	340	517	103	---
Sodium	ppm	24	32	9	---
Potassium	ppm	23	35	6	---



WEAR METALS

PQ		492	999	---	---
Iron	ppm	3553	2707	569	---
Copper	ppm	9	7	2	---
Lead	ppm	5	8	1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	86	126	23	---
Chromium	ppm	31	30	10	---
Molybdenum	ppm	3	2	<1	---
Nickel	ppm	2	1	<1	---
Titanium	ppm	8	11	2	---
Silver	ppm	0	<1	0	---
Manganese	ppm	40	48	11	---
Vanadium	ppm	<1	1	<1	---



ADDITIVES

Calcium	ppm	665	940	452	---
Magnesium	ppm	57	84	24	---
Zinc	ppm	75	98	168	---
Phosphorus	ppm	1825	961	747	---
Barium	ppm	0	4	2	---
Boron	ppm	149	129	64	---



GERDAU AMERISTEEL

1 GERDAU COURT
WHITBY, ON
CA L1N 5T1

Contact: Tyson Young
tyoung@gerdauameristeel.com
T: (905)668-8811
F: (905)668-6469

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LAKWHI
Unique No: 5503702
Signed: Kevin Marson
Report Date: 29 Dec 2022



CONSTRUCTION EQUIPMENT



GRAPHS

