



CONSTRUCTION EQUIPMENT

1727 RENTALS VOLVO EC480E 315143 - REAR LEFT FINAL DRIVE



Sample No: VCP437651
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 1727 RENTALS



ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
 9601 BOGGY CREEK RD
 ORLANDO, FL
 US 32824
 Contact: Robert LaPlante
 robert.laplante@altg.com
 T: (407)508-9736
 F: (407)659-8720

SAMPLE INFORMATION

Sample Number	VCP437651	VCP432309	VCP413434	VCP411719
Sample Date	29 Jan 2024	31 Oct 2023	15 Aug 2023	07 Jun 2023
Machine Hours	2300	1550	1031	587
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	157	157	156	176
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	9	8	10
Sodium	ppm	1	1	<1	<1
Potassium	ppm	2	1	2	3

WEAR METALS

Iron	ppm	359	282	238	306
Copper	ppm	1	<1	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	1	<1	2
Chromium	ppm	6	4	4	5
Molybdenum	ppm	1	0	<1	<1
Nickel	ppm	<1	0	0	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	5	3	3	5
Vanadium	ppm	<1	0	0	0

ADDITIVES

Calcium	ppm	8	8	12	10
Magnesium	ppm	0	<1	1	<1
Zinc	ppm	0	18	13	6
Phosphorus	ppm	767	629	726	311
Barium	ppm	0	2	4	7
Boron	ppm	81	99	106	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VOLVO0096
Unique No: 10862325
Signed: Don Baldrige
Report Date: 07 Feb 2024



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GRAPHS

