



CONSTRUCTION EQUIPMENT

3034 VOLVO ECR145EL 315064 - SWING DRIVE



Sample No: VCP434350
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3034



SAMPLE INFORMATION

Sample Number	VCP434350	VCP391340	VCP351199	VCP327799
Sample Date	08 May 2024	03 Nov 2022	25 May 2022	19 Nov 2021
Machine Hours	2915	1465	960	495
Oil Hours	0	0	0	495
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
 Contact: LARRY SCHRADER
 larry.schrader@sdevelop.com
 T: (810)499-1953
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	173	176	177	177
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	16	15	14
Sodium	ppm	2	<1	<1	1
Potassium	ppm	2	0	<1	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.



WEAR METALS

Iron	ppm	152	106	102	78
Copper	ppm	33	34	37	34
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	3	2	2	1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	4	3	3	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	92	6	8	10
Magnesium	ppm	1	<1	<1	0
Zinc	ppm	58	11	24	18
Phosphorus	ppm	363	306	295	308
Barium	ppm	5	<1	4	0
Boron	ppm	2	<1	<1	15

Depot: LEOMAD
Unique No: 11057924
Signed: Don Baldrige
Report Date: 01 Jun 2024



CONSTRUCTION EQUIPMENT



GRAPHS

