



CONSTRUCTION EQUIPMENT

3025 VOLVO EC460CL 110315 - SWING DRIVE



Sample No: VCP392642
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3025



SAMPLE INFORMATION

Sample Number	VCP392642	VCP393472	VCP379125	VCP379121
Sample Date	20 Feb 2024	23 May 2023	08 Nov 2022	08 Nov 2022
Machine Hours	11690	11000	10650	10650
Oil Hours	0	0	500	500
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

LEONARDS CONTRACTING
 30850 STEPHENSON HWY
 MADISON HEIGHTS, MI
 US 48071
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OIL CONDITION

Visc @ 40°C	cSt	149	145	141	141
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CONTAMINATION

Water	%	NEG	▲ 0.747	0.142	NEG
Silicon	ppm	4	7	6	3
Sodium	ppm	0	0	0	0
Potassium	ppm	<1	2	0	1



WEAR METALS

Iron	ppm	15	306	138	82
Copper	ppm	<1	4	2	2
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	0	1	1
Chromium	ppm	<1	3	1	<1
Molybdenum	ppm	0	3	3	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	2
Manganese	ppm	0	3	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	8	56	71	42
Magnesium	ppm	<1	22	25	22
Zinc	ppm	6	46	43	32
Phosphorus	ppm	1956	1785	1694	1592
Barium	ppm	0	0	0	0
Boron	ppm	156	98	49	53

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: LEOMAD
Unique No: 10940909
Signed: Don Baldrige
Report Date: 26 Mar 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

