



CONSTRUCTION EQUIPMENT

3025 VOLVO EC220EL 3 11050 - FRONT RIGHT FINAL DRIVE



Sample No: VCP392589
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 3025



SAMPLE INFORMATION

Sample Number	VCP392589	VCP232340	---	---
Sample Date	20 Feb 2024	23 Oct 2020	---	---
Machine Hours	11690	1255	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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

Visc @ 40°C	cSt	143	123	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	40	244	---	---
Sodium	ppm	7	7	---	---
Potassium	ppm	3	19	---	---

Diagnosis



WEAR METALS

Iron	ppm	434	649	---	---
Copper	ppm	24	<1	---	---
Lead	ppm	20	1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	6	39	---	---
Chromium	ppm	5	5	---	---
Molybdenum	ppm	<1	0	---	---
Nickel	ppm	0	1	---	---
Titanium	ppm	<1	3	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	5	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	69	80	---	---
Magnesium	ppm	5	25	---	---
Zinc	ppm	28	8	---	---
Phosphorus	ppm	1403	592	---	---
Barium	ppm	0	0	---	---
Boron	ppm	57	40	---	---

Depot: LEOMAD
Unique No: 10940907
Signed: Don Baldrige
Report Date: 26 Mar 2024



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GRAPHS

