



CONSTRUCTION EQUIPMENT

730087 PADNOS VOLVO EC220D 210528 - SWING DRIVE



Sample No: VCP453546
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 730087 PADNOS



ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
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SAMPLE INFORMATION

Sample Number	VCP453546	VCP368704	---	---
Sample Date	20 Jun 2024	01 Dec 2022	---	---
Machine Hours	11524	10304	---	---
Oil Hours	1000	1200	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 144	█ 174	---	---
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CONTAMINATION

Water	%	NEG	▲ 5.90	---	---
Silicon	ppm	█ 23	█ 47	---	---
Sodium	ppm	█ 4	█ <1	---	---
Potassium	ppm	█ 2	█ 4	---	---



WEAR METALS

Iron	ppm	█ 60	█ 664	---	---
Copper	ppm	█ 7	█ 15	---	---
Lead	ppm	█ <1	█ 3	---	---
Tin	ppm	█ 0	█ 3	---	---
Aluminum	ppm	█ 3	█ 8	---	---
Chromium	ppm	█ <1	█ 7	---	---
Molybdenum	ppm	█ 2	█ 3	---	---
Nickel	ppm	█ <1	█ 1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 37	█ 166	---	---
Magnesium	ppm	█ 10	█ 25	---	---
Zinc	ppm	█ 35	█ 214	---	---
Phosphorus	ppm	█ 673	█ 1521	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 26	█ 101	---	---

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: VOLVO2990
Unique No: 11100790
Signed: Jonathan Hester
Report Date: 01 Jul 2024



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GRAPHS

