



CONSTRUCTION EQUIPMENT

SWA563649 TERRAMAC RT14R 14RH00107 - TOP SWING DRIVE



Sample No: VCP435739
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SWA563649



SAMPLE INFORMATION

Sample Number	VCP435739	---	---	---
Sample Date	24 May 2024	---	---	---
Machine Hours	2703	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
SYRACUSE, NY
US 13206
Contact: JIM STRIGLE
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T: (315)437-2611
F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	● 33.0	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 12	---	---	---
Potassium	ppm	■ 7	---	---	---



WEAR METALS

Iron	ppm	■ 146	---	---	---
Copper	ppm	▲ 920	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 7	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 84	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 18	---	---	---
Magnesium	ppm	■ 5	---	---	---
Zinc	ppm	■ 363	---	---	---
Phosphorus	ppm	■ 521	---	---	---
Barium	ppm	■ 3	---	---	---
Boron	ppm	■ 11	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLV00142
Unique No: 11059189
Signed: Don Baldrige
Report Date: 04 Jun 2024



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GRAPHS

