



CONSTRUCTION EQUIPMENT

595382 FORT IRON VOLVO EC480 314276 - LEFT SWING DRIVE



Sample No: VCP435351
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: 595382 FORT IRON



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

Sample Number	VCP435351	VCP365115	---	---
Sample Date	30 Aug 2023	09 Aug 2022	---	---
Machine Hours	2922	2006	---	---
Oil Hours	1000	2000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	▲ 324	■ 150	---	---
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CONTAMINATION

Silicon	ppm	■ 3	■ 13	---	---
Sodium	ppm	■ <1	■ 0	---	---
Potassium	ppm	■ 0	■ 1	---	---



WEAR METALS

Iron	ppm	■ 20	■ 65	---	---
Copper	ppm	■ 2	■ 3	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	<1	---	---
Aluminum	ppm	■ <1	1	---	---
Chromium	ppm	■ 0	<1	---	---
Molybdenum	ppm	■ 0	<1	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ <1	■ 1	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	■ 31	■ 17	---	---
Magnesium	ppm	■ 0	■ <1	---	---
Zinc	ppm	12	■ 25	---	---
Phosphorus	ppm	■ 1142	■ 1764	---	---
Barium	ppm	■ 0	■ 2	---	---
Boron	ppm	■ 242	■ 113	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Confirm oil type.

Depot: VOLVO2990
Unique No: 10633222
Signed: Don Baldrige
Report Date: 07 Sep 2023



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GRAPHS

