



CONSTRUCTION EQUIPMENT

SPM703638 ALPINE VOLVO EC750E 3 14070 - LEFT FINAL DRIVE



Sample No: VCP446776
Oil Type: GEAR OIL SAE 80W90
Job No: SPM703638 ALPINE



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
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SAMPLE INFORMATION

Sample Number	VCP446776	VCP422980	---	---
Sample Date	30 Apr 2024	28 Sep 2023	---	---
Machine Hours	2591	1522	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 163	█ 180	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 10	▲ 148	---	---
Sodium	ppm	█ 3	█ 4	---	---
Potassium	ppm	█ 2	█ 10	---	---



WEAR METALS

Iron	ppm	█ 78	█ 435	---	---
Copper	ppm	█ 48	█ 4	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 2	● 25	---	---
Chromium	ppm	█ <1	█ 4	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	█ <1	█ 2	---	---
Titanium	ppm	<1	2	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 3	█ 6	---	---
Vanadium	ppm	<1	<1	---	---



ADDITIVES

Calcium	ppm	█ 930	█ 107	---	---
Magnesium	ppm	█ 17	█ 42	---	---
Zinc	ppm	█ 469	█ 4	---	---
Phosphorus	ppm	█ 839	█ 152	---	---
Barium	ppm	█ 7	█ 0	---	---
Boron	ppm	█ 27	█ 0	---	---

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: VOLVO8885
Unique No: 11085063
Signed: Don Baldrige
Report Date: 19 Jun 2024



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GRAPHS

