



CONSTRUCTION EQUIPMENT

SPM633854 ALPINE VOLVO EC480E 391030 - LEFT SWING DRIVE



Sample No: VCP440608
Oil Type: GEAR OIL SAE 80W90
Job No: SPM633854 ALPINE



ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
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SAMPLE INFORMATION

Sample Number	VCP440608	VCP420699	VCP355044	---
Sample Date	15 Nov 2023	12 Sep 2023	21 Jul 2022	---
Machine Hours	2564	2080	972	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 40°C	cSt	197	198	183	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	14	18	15	---
Sodium	ppm	0	0	2	---
Potassium	ppm	2	2	<1	---

WEAR METALS

Iron	ppm	44	60	81	---
Copper	ppm	7	6	10	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	<1	---
Aluminum	ppm	1	3	1	---
Chromium	ppm	1	1	1	---
Molybdenum	ppm	3	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	1	1	2	---
Vanadium	ppm	<1	0	0	---

ADDITIVES

Calcium	ppm	2560	2401	7	---
Magnesium	ppm	31	10	2	---
Zinc	ppm	1107	1027	15	---
Phosphorus	ppm	921	898	287	---
Barium	ppm	0	0	8	---
Boron	ppm	6	2	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: 10883423
Signed: Don Baldrige
Report Date: 17 Feb 2024



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GRAPHS

