



CONSTRUCTION EQUIPMENT

SPM703646 ALPINE VOLVO EC480E 391030 - LEFT FINAL DRIVE



Sample No: VCP438291
Oil Type: GEAR OIL SAE 80W90
Job No: SPM703646 ALPINE



ALTA EQUIPMENT CO - ORLAND PARK
 5000 INDUSTRIAL HWY
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SAMPLE INFORMATION

Sample Number	VCP438291	VCP415237	VCP355047	---
Sample Date	06 May 2024	12 Sep 2023	21 Jul 2022	---
Machine Hours	3348	2080	972	---
Oil Hours	0	0	0	---
Oil Changed	Not Chngd	Changed	Not Chngd	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	165	156	158	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	10	21	8	---
Sodium	ppm	2	24	14	---
Potassium	ppm	1	5	3	---



WEAR METALS

Iron	ppm	76	322	134	---
Copper	ppm	45	<1	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	2	5	2	---
Chromium	ppm	<1	10	5	---
Molybdenum	ppm	1	<1	<1	---
Nickel	ppm	<1	2	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	8	4	---
Vanadium	ppm	<1	0	0	---



ADDITIVES

Calcium	ppm	925	75	61	---
Magnesium	ppm	17	11	5	---
Zinc	ppm	461	8	11	---
Phosphorus	ppm	798	352	250	---
Barium	ppm	6	0	3	---
Boron	ppm	24	0	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: 11085054
Signed: Don Baldrige
Report Date: 19 Jun 2024



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GRAPHS

