



CONSTRUCTION EQUIPMENT

A11864 ALPHA VOLVO EC160E 314175 - SWING DRIVE



Sample No: VCP439302
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A11864 ALPHA



HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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SAMPLE INFORMATION

Sample Number	VCP439302	VCP416350	VCP399899	VCP365744
Sample Date	12 Jan 2024	16 Aug 2023	02 Mar 2023	01 Dec 2022
Machine Hours	6540	5360	4350	3841
Oil Hours	1000	1000	1000	0
Oil Changed	Changed	Changed	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	308	312	262	260
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	6	11	12
Sodium	ppm	<1	0	0	<1
Potassium	ppm	2	0	3	<1



WEAR METALS

Iron	ppm	60	64	238	240
Copper	ppm	2	2	12	12
Lead	ppm	<1	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	<1	2	2	2
Chromium	ppm	0	<1	2	3
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	3	3
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	52	14	26	71
Magnesium	ppm	2	<1	2	2
Zinc	ppm	18	9	29	43
Phosphorus	ppm	1104	812	907	945
Barium	ppm	0	0	0	0
Boron	ppm	14	24	104	123

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: VOLVO8879
Unique No: 10836578
Signed: Sean Felton
Report Date: 22 Jan 2024



CONSTRUCTION EQUIPMENT



GRAPHS

