



CONSTRUCTION EQUIPMENT

A10932 ALPHA VOLVO EC160E 314175 - REAR RIGHT FINAL DRIVE



Sample No: VCP425967
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A10932 ALPHA



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

Sample Number	VCP425967	VCP399914	VCP365728	VCP364144
Sample Date	16 Aug 2023	02 Mar 2023	01 Dec 2022	22 Aug 2022
Machine Hours	5360	4350	3841	3317
Oil Hours	1000	1500	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	323	296	298	147
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CONTAMINATION

Silicon	ppm	1	2	2	4
Sodium	ppm	0	0	0	0
Potassium	ppm	0	2	0	3

WEAR METALS

Iron	ppm	12	35	32	90
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	1	2	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	<1	<1	1
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	8	12	4	14
Magnesium	ppm	1	1	<1	3
Zinc	ppm	2	10	7	16
Phosphorus	ppm	747	880	814	544
Barium	ppm	0	0	0	7
Boron	ppm	26	135	143	4

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: 10618267
Signed: Sean Felton
Report Date: 25 Aug 2023



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GRAPHS

