



CONSTRUCTION EQUIPMENT

SW-32644-2 TEAR-PART VOLVO EC160E 310416 - SWING DRIVE



Sample No: VCP446804
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-32644-2 TEAR-PART



ARNOLD MACHINERY COMPANY
 2975 WEST 2100 SOUTH
 SALT LAKE CITY, UT
 US 84119
 Contact: TONY PAYAN
 tpayan@arnoldmachinery.com
 T: (801)972-4000
 F: (801)975-9434



SAMPLE INFORMATION

Sample Number	VCP446804	VCP346044	---	---
Sample Date	11 Apr 2024	07 Feb 2022	---	---
Machine Hours	2929	1995	---	---
Oil Hours	1000	1995	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	138	150	---	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	11	26	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	3	4	---	---



WEAR METALS

Iron	ppm	228	687	---	---
Copper	ppm	12	87	---	---
Lead	ppm	2	<1	---	---
Tin	ppm	1	1	---	---
Aluminum	ppm	1	5	---	---
Chromium	ppm	3	10	---	---
Molybdenum	ppm	2	2	---	---
Nickel	ppm	1	1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	4	11	---	---
Vanadium	ppm	<1	0	---	---



ADDITIVES

Calcium	ppm	22	21	---	---
Magnesium	ppm	4	12	---	---
Zinc	ppm	45	121	---	---
Phosphorus	ppm	1489	505	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	131	2	---	---

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: VOLVO8770
Unique No: 10982424
Signed: Wes Davis
Report Date: 18 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

