



CONSTRUCTION EQUIPMENT

VOLVO EC480 311307 - FRONT RIGHT FINAL DRIVE



Sample No: VCP405316
Oil Type: NOT GIVEN
Job No:



ARNOLD MACHINERY COMPANY
 4136 NORTH DONOVAN WAY
 LAS VEGAS, NV
 US 89030
 Contact: JOHN VENTURA
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 F:



SAMPLE INFORMATION

Sample Number	VCP405316	---	---	---
Sample Date	16 Feb 2023	---	---	---
Machine Hours	3800	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	■ 63.0	---	---	---
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CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 475	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 25	---	---	---



WEAR METALS

Iron	ppm	● 5637	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 82	---	---	---
Chromium	ppm	● 38	---	---	---
Molybdenum	ppm	5	---	---	---
Nickel	ppm	4	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	36	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	184	---	---	---
Magnesium	ppm	16	---	---	---
Zinc	ppm	47	---	---	---
Phosphorus	ppm	2071	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	127	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Gear Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Chromium and iron ppm levels are severe. Aluminum ppm levels are abnormal. Gear wear is indicated. There is a moderate concentration of dirt present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO5856
Unique No: 10351562
Signed: Angela Borella
Report Date: 28 Feb 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

