



# CONSTRUCTION EQUIPMENT

JJ SPRAGUE HITACHI EX450LC-5 16CP007812 - DRIVER - SWING DRIVE



**Sample No:** VCP416031  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** JJ SPRAGUE



## SAMPLE INFORMATION

Sample Number	VCP416031	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	14253	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
4323 EAST WINSLOW AVENUE  
PHOENIX, AZ  
US 85040  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 142	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 27	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	█ 90	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 7	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 33	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 62	---	---	---
Phosphorus	ppm	█ 799	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 78	---	---	---

## Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.  
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:** VOLVO6174  
**Unique No:** 10634471  
**Signed:** Wes Davis  
**Report Date:** 07 Sep 2023



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## VOLVO GRAPHS

