



CONSTRUCTION EQUIPMENT

SW-34384-2 CHAISON VOLVO ECR145E 316420 - SWING DRIVE



Sample No: VCP391422
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: SW-34384-2 CHAISON



SAMPLE INFORMATION

Sample Number	VCP391422	VCP432511	---	---
Sample Date	14 May 2024	18 Sep 2023	---	---
Machine Hours	1093	555	---	---
Oil Hours	500	555	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	129	175	---	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Water	%	NEG	0.118	---	---
Silicon	ppm	10	27	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	<1	---	---

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.



WEAR METALS

Iron	ppm	77	50	---	---
Copper	ppm	16	54	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	1	---	---
Molybdenum	ppm	8	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	272	6	---	---
Magnesium	ppm	120	0	---	---
Zinc	ppm	232	35	---	---
Phosphorus	ppm	445	331	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	2	---	---

Depot: VOLVO8770
Unique No: 11043295
Signed: Don Baldrige
Report Date: 23 May 2024



CONSTRUCTION EQUIPMENT



GRAPHS

