



CONSTRUCTION EQUIPMENT

TITAN VOLVO EC380E 315183 - SWING DRIVE



Sample No: VCP413697
Oil Type: VOLVO PREMIUM GEAR OIL 80W-90 GL-5
Job No: TITAN



MCCLUNG-LOGAN EQUIPMENT CO - CHESAPEAKE
 4112 HOLLAND BLVD
 CHESAPEAKE, VA
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SAMPLE INFORMATION

Sample Number	VCP413697	VCP401972	---	---
Sample Date	07 Nov 2023	27 Apr 2023	---	---
Machine Hours	2000	1125	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	121	176	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	63	24	---	---
Sodium	ppm	1	2	---	---
Potassium	ppm	4	1	---	---

WEAR METALS

Iron	ppm	170	1584	---	---
Copper	ppm	0	72	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	11	7	---	---
Chromium	ppm	8	18	---	---
Molybdenum	ppm	<1	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	16	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	12	28	---	---
Magnesium	ppm	1	3	---	---
Zinc	ppm	11	52	---	---
Phosphorus	ppm	747	341	---	---
Barium	ppm	0	0	---	---
Boron	ppm	77	0	---	---

Diagnosis

The oil change at the time of sampling has been noted. 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: VOLVO0264
Unique No: 10740957
Signed: Doug Bogart
Report Date: 04 Dec 2023



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GRAPHS

