Sample No: VCP440564

Oil Type: GEAR OIL SAE 80W90

Job No: SPM621611

SAMPLE INFORMATION

Sample Number		**VCP440564**	VCP365812	---	---
Sample Date		**18 Oct 2023**	11 Apr 2023	---	---
Machine Hours		**8621**	7962	---	---
Oil Hours		**0**	0	---	---
Oil Changed		**Not Changd**	Changed	---	---
Sample Status		**ABNORMAL**	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ **116**	■ 185	---	---

CONTAMINATION

Water	%	⚠ **0.974**	---	---	---
Silicon	ppm	■ **9**	■ 3	---	---
Sodium	ppm	■ **1**	■ 4	---	---
Potassium	ppm	■ **4**	■ 0	---	---

WEAR METALS

Iron	ppm	■ **111**	■ 10	---	---
Copper	ppm	■ **10**	■ 34	---	---
Lead	ppm	■ **<1**	■ 0	---	---
Tin	ppm	■ **<1**	■ 0	---	---
Aluminum	ppm	■ **2**	■ 0	---	---
Chromium	ppm	■ **<1**	■ <1	---	---
Molybdenum	ppm	■ **8**	■ 0	---	---
Nickel	ppm	■ **<1**	■ 0	---	---
Titanium	ppm	**<1**	0	---	---
Silver	ppm	**0**	2	---	---
Manganese	ppm	■ **2**	■ 1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	■ **1452**	■ 9	---	---
Magnesium	ppm	■ **463**	■ 2	---	---
Zinc	ppm	■ **899**	■ 23	---	---
Phosphorus	ppm	■ **752**	■ 1138	---	---
Barium	ppm	■ **0**	■ 375	---	---
Boron	ppm	■ **79**	<1	---	---

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.
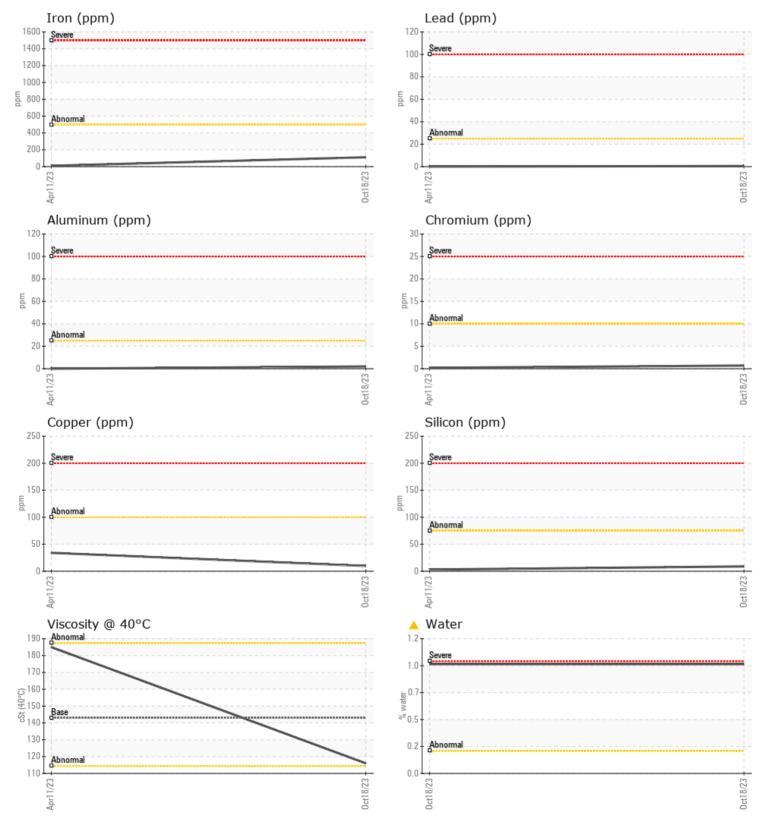
Depot:	VOLVO8885
Unique No:	10738391
Signed:	Don Baldridge
Report Date:	14 Nov 2023

GRAPHS

Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 40°C

⚠ Water