



CONSTRUCTION EQUIPMENT

D27316 MART SAND VOLVO EC950FL 410034 - REAR LEFT FINAL DRIVE



Sample No: VCP403882
Oil Type: MOBIL MOBILUBE HD 85W140
Job No: D27316 MART SAND



SAMPLE INFORMATION

Sample Number	VCP403882	---	---	---
Sample Date	07 Aug 2023	---	---	---
Machine Hours	4600	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ARING EQUIPMENT COMPANY INC - MADISON/DE FOREST
 5005 CAKE PKWY
 DE FOREST, WI
 US 53532-1004
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OIL CONDITION

Visc @ 40°C	cSt	█ 291	---	---	---
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CONTAMINATION

Water	%	▲ 0.268	---	---	---
Silicon	ppm	◆ 644	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 8	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. (TRACK FINAL DRIVE FAILURE).Gear wear is indicated. Elemental level of silicon (Si) above normal. There is a light concentration of water present in the oil.



WEAR METALS

Iron	ppm	▲ 1217	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 12	---	---	---
Chromium	ppm	▲ 13	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 12	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 20	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 18	---	---	---
Phosphorus	ppm	█ 837	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 102	---	---	---

Depot: VOLVO0070
Unique No: 10608420
Signed: Don Baldrige
Report Date: 21 Aug 2023



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VOLVO GRAPHS

