



CONSTRUCTION EQUIPMENT

SWA581457 WASTE MGMT VOLVO EC160EL 310359 - RIGHT TRACK DRIVE



Sample No: VCP439983
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWA581457 WASTE MGMT



SAMPLE INFORMATION

Sample Number	VCP439983	VCP413178	---	---
Sample Date	07 Jun 2024	16 Oct 2023	---	---
Machine Hours	5316	4311	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 155	█ 164	---	---
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CONTAMINATION

Water	%	█ 0.183	▲ 0.603	---	---
Silicon	ppm	▲ 207	▲ 3320	---	---
Sodium	ppm	█ <1	█ 19	---	---
Potassium	ppm	█ 2	█ 13	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 1288	▲ 6299	---	---
Copper	ppm	█ 2	█ 6	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ 1	---	---
Aluminum	ppm	█ 6	● 69	---	---
Chromium	ppm	█ 7	▲ 41	---	---
Molybdenum	ppm	█ <1	█ 3	---	---
Nickel	ppm	█ 2	▲ 21	---	---
Titanium	ppm	<1	7	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 7	█ 39	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	█ 180	█ 2043	---	---
Magnesium	ppm	█ 3	█ 35	---	---
Zinc	ppm	6	█ 22	---	---
Phosphorus	ppm	█ 934	█ 928	---	---
Barium	ppm	█ 0	█ 2	---	---
Boron	ppm	█ 184	█ 151	---	---

Depot: VOLVO0095
Unique No: 11075598
Signed: Don Baldrige
Report Date: 14 Jun 2024



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GRAPHS

