



CONSTRUCTION EQUIPMENT

135866 VOLVO EC750E 314194 - REAR RIGHT FINAL DRIVE



Sample No: VCP443078
Oil Type: GEAR OIL SAE 80W90
Job No: 135866



SAMPLE INFORMATION

Sample Number	VCP443078	VCP434676	VCP430304	VCP410098
Sample Date	19 Mar 2024	29 Dec 2023	02 Oct 2023	07 Aug 2023
Machine Hours	3477	2941	2442	1964
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	SEVERE	ABNORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
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OIL CONDITION

Visc @ 40°C	cSt	129	128	129	132
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 319	▲ 109	■ 27	■ 64
Sodium	ppm	■ 0	■ 2	■ <1	■ 0
Potassium	ppm	■ 15	■ 3	■ 2	■ 4

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



WEAR METALS

Iron	ppm	▲ 639	■ 225	■ 72	■ 183
Copper	ppm	■ 2	■ <1	■ 0	■ <1
Lead	ppm	■ 1	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ <1	■ <1	■ 0
Aluminum	ppm	● 66	● 23	■ 7	■ 18
Chromium	ppm	■ 6	■ 2	■ <1	■ 2
Molybdenum	ppm	■ 12	■ 0	■ 0	■ <1
Nickel	ppm	■ 2	■ <1	■ 0	■ <1
Titanium	ppm	5	1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	■ 7	■ 2	■ 1	■ 2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	■ 198	■ 62	■ 46	■ 85
Magnesium	ppm	■ 65	■ 4	■ 4	■ 4
Zinc	ppm	■ 94	■ 22	■ 19	■ 38
Phosphorus	ppm	■ 1014	■ 989	■ 961	■ 956
Barium	ppm	■ 2	■ 0	■ 0	■ 3
Boron	ppm	■ 209	■ 149	■ 199	■ 181

Depot: LATSCU
Unique No: 10942406
Signed: Jonathan Hester
Report Date: 28 Mar 2024



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VOLVO GRAPHS

