



CONSTRUCTION EQUIPMENT

133988 VOLVO EC750E 314191 - REAR LEFT FINAL DRIVE



Sample No: VCP416022
Oil Type: GEAR OIL SAE 80W90
Job No: 133988



SAMPLE INFORMATION

Sample Number	VCP416022	VCP418723	VCP410107	VCP393249
Sample Date	08 Aug 2023	20 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	2037	1596	985	488
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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	131	131	137	174
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CONTAMINATION

Silicon	ppm	▲ 150	▲ 92	▲ 177	▲ 110
Sodium	ppm	■ 3	■ 0	■ <1	■ 3
Potassium	ppm	■ 6	■ 5	■ 4	■ 5

WEAR METALS

Iron	ppm	▲ 917	■ 471	▲ 645	■ 442
Copper	ppm	■ 1	■ 1	■ <1	■ 1
Lead	ppm	■ 0	■ 0	■ 0	■ 0
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	▲ 28	▲ 17	▲ 26	▲ 22
Chromium	ppm	■ 8	■ 4	■ 7	■ 8
Molybdenum	ppm	■ <1	■ 1	■ 2	<1
Nickel	ppm	■ 2	■ 1	■ <1	■ 1
Titanium	ppm	1	<1	1	1
Silver	ppm	0	0	0	<1
Manganese	ppm	■ 8	■ 4	■ 7	8
Vanadium	ppm	<1	0	0	<1

ADDITIVES

Calcium	ppm	■ 121	■ 101	■ 121	44
Magnesium	ppm	■ 7	■ 4	■ 10	4
Zinc	ppm	■ 44	■ 44	■ 38	11
Phosphorus	ppm	■ 956	■ 965	■ 814	305
Barium	ppm	■ 0	■ 0	■ 0	21
Boron	ppm	■ 148	■ 157	■ 128	0

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: LATSCU
Unique No: 10603757
Signed: Jonathan Hester
Report Date: 16 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

