



CONSTRUCTION EQUIPMENT

135866 VOLVO EC750E 314194 - REAR LEFT FINAL DRIVE



Sample No: VCP443077
Oil Type: GEAR OIL SAE 80W90
Job No: 135866



SAMPLE INFORMATION

Sample Number	VCP443077	VCP434637	VCP433908	VCP410103
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	SEVERE	ABNORMAL	SEVERE

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	132	129	128	138
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CONTAMINATION

Water	%	0.161	0.138	NEG	NEG
Silicon	ppm	716	530	130	819
Sodium	ppm	<1	4	1	3
Potassium	ppm	22	17	4	30

WEAR METALS

Iron	ppm	1600	1133	604	2433
Copper	ppm	4	2	1	5
Lead	ppm	1	<1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	105	89	22	165
Chromium	ppm	11	8	4	18
Molybdenum	ppm	14	0	0	3
Nickel	ppm	4	2	<1	4
Titanium	ppm	7	6	1	8
Silver	ppm	0	<1	0	0
Manganese	ppm	13	10	5	21
Vanadium	ppm	<1	<1	0	<1

ADDITIVES

Calcium	ppm	230	119	50	164
Magnesium	ppm	66	12	6	18
Zinc	ppm	95	30	24	55
Phosphorus	ppm	1000	985	977	1278
Barium	ppm	2	0	0	3
Boron	ppm	195	140	165	207

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 advise that you inspect for the source(s) of wear. 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.

Depot: LATSCU
Unique No: 10942407
Signed: Jonathan Hester
Report Date: 28 Mar 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

