



CONSTRUCTION EQUIPMENT

135200 VOLVO EC750E 314194 - REAR LEFT FINAL DRIVE



Sample No: VCP434637
Oil Type: GEAR OIL SAE 80W90
Job No: 135200

SAMPLE INFORMATION

Sample Number	VCP434637	VCP433908	VCP410103	VCP419422
Sample Date	29 Dec 2023	02 Oct 2023	07 Aug 2023	20 Jun 2023
Machine Hours	2941	2442	1964	1488
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	SEVERE	ABNORMAL	SEVERE	SEVERE



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
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OIL CONDITION

Visc @ 40°C	cSt	129	128	138	132
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CONTAMINATION

Water	%	0.138	NEG	NEG	NEG
Silicon	ppm	530	130	819	414
Sodium	ppm	4	1	3	0
Potassium	ppm	17	4	30	17

WEAR METALS

Iron	ppm	1133	604	2433	963
Copper	ppm	2	1	5	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	89	22	165	90
Chromium	ppm	8	4	18	7
Molybdenum	ppm	0	0	3	1
Nickel	ppm	2	<1	4	2
Titanium	ppm	6	1	8	5
Silver	ppm	<1	0	0	0
Manganese	ppm	10	5	21	8
Vanadium	ppm	<1	0	<1	<1

ADDITIVES

Calcium	ppm	119	50	164	104
Magnesium	ppm	12	6	18	12
Zinc	ppm	30	24	55	35
Phosphorus	ppm	985	977	1278	971
Barium	ppm	0	0	3	0
Boron	ppm	140	165	207	148

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. 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. There is a light concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: LATSCU
Unique No: 10821564
Signed: Sean Felton
Report Date: 10 Jan 2024



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GRAPHS

