



CONSTRUCTION EQUIPMENT

133988 VOLVO EC750E 314191 - REAR RIGHT FINAL DRIVE



Sample No: VCP416016
Oil Type: GEAR OIL SAE 80W90
Job No: 133988



SAMPLE INFORMATION

Sample Number	VCP416016	VCP418722	VCP410106	VCP393258
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	SEVERE	SEVERE	SEVERE	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	262	211	137	174
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CONTAMINATION

Water	%	0.320	---	0.208	---
Silicon	ppm	3456	1775	491	156
Sodium	ppm	12	4	1	3
Potassium	ppm	69	41	13	8

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



WEAR METALS

Iron	ppm	7207	3510	1204	365
Copper	ppm	16	8	2	<1
Lead	ppm	<1	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	301	207	65	41
Chromium	ppm	48	23	9	7
Molybdenum	ppm	8	4	2	<1
Nickel	ppm	16	8	2	1
Titanium	ppm	18	12	4	2
Silver	ppm	0	0	0	<1
Manganese	ppm	58	28	11	7
Vanadium	ppm	1	<1	0	<1



ADDITIVES

Calcium	ppm	585	358	146	60
Magnesium	ppm	33	23	13	5
Zinc	ppm	40	37	28	9
Phosphorus	ppm	873	923	738	298
Barium	ppm	4	0	0	20
Boron	ppm	154	141	51	0

Depot: LATSCU
Unique No: 10603738
Signed: Don Baldrige
Report Date: 15 Aug 2023



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GRAPHS

