



CONSTRUCTION EQUIPMENT

135630 VOLVO EC750E 314191 - REAR LEFT FINAL DRIVE



Sample No: VCP443218
Oil Type: GEAR OIL SAE 80W90
Job No: 135630



SAMPLE INFORMATION

Sample Number	VCP443218	VCP434237	VCP430306	VCP416022
Sample Date	20 Feb 2024	08 Dec 2023	29 Sep 2023	08 Aug 2023
Machine Hours	3520	3036	2487	2037
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	SEVERE	SEVERE	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	134	132	128	131
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CONTAMINATION

Water	%	0.140	0.068	NEG	NEG
Silicon	ppm	990	613	114	150
Sodium	ppm	4	0	1	3
Potassium	ppm	23	18	4	6



WEAR METALS

Iron	ppm	2261	1568	578	917
Copper	ppm	4	2	1	1
Lead	ppm	1	0	0	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	102	77	21	28
Chromium	ppm	15	11	4	8
Molybdenum	ppm	12	1	0	<1
Nickel	ppm	4	3	<1	2
Titanium	ppm	6	4	1	1
Silver	ppm	0	0	0	0
Manganese	ppm	16	13	5	8
Vanadium	ppm	<1	0	<1	<1



ADDITIVES

Calcium	ppm	285	146	62	121
Magnesium	ppm	64	10	6	7
Zinc	ppm	75	26	23	44
Phosphorus	ppm	901	1032	988	956
Barium	ppm	0	0	0	0
Boron	ppm	160	172	173	148

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: 10898626
Signed: Jonathan Hester
Report Date: 28 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

