



CONSTRUCTION EQUIPMENT

133989 VOLVO EC750E 314194 - REAR LEFT FINAL DRIVE



Sample No: VCP410103
Oil Type: GEAR OIL SAE 80W90
Job No: 133989



LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
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SAMPLE INFORMATION

Sample Number	VCP410103	VCP419422	VCP408810	VCP383285
Sample Date	07 Aug 2023	20 Jun 2023	01 May 2023	06 Mar 2023
Machine Hours	1964	1488	1014	522
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	SEVERE	SEVERE	SEVERE	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	138	132	139	175
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CONTAMINATION

Silicon	ppm	819	414	519	231
Sodium	ppm	3	0	3	<1
Potassium	ppm	30	17	24	11



WEAR METALS

Iron	ppm	2433	963	755	386
Copper	ppm	5	2	0	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	165	90	151	52
Chromium	ppm	18	7	8	7
Molybdenum	ppm	3	1	2	<1
Nickel	ppm	4	2	1	<1
Titanium	ppm	8	5	7	3
Silver	ppm	0	0	0	0
Manganese	ppm	21	8	9	7
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	164	104	153	68
Magnesium	ppm	18	12	18	7
Zinc	ppm	55	35	43	6
Phosphorus	ppm	1278	971	875	292
Barium	ppm	3	0	<1	4
Boron	ppm	207	148	124	3

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. The oil is no longer serviceable due to the presence of contaminants.

Depot: LATSCU
Unique No: 10603743
Signed: Don Baldrige
Report Date: 15 Aug 2023



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GRAPHS

