



CONSTRUCTION EQUIPMENT

SPM579077 VOLVO EC750E 314043 - REAR RIGHT FINAL DRIVE



Sample No: VCP417620
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM579077



SAMPLE INFORMATION

Sample Number	VCP417620	VCP406137	VCP395867	VCP369795
Sample Date	05 Jul 2023	20 Apr 2023	07 Feb 2023	28 Nov 2022
Machine Hours	3974	3513	2974	2449
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

BLUE GOOSE GROWERS
 16059 W ORANGE AVE
 FT PIERCE, FL
 US 34945
 Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	241	236	239	236
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T: (772)461-3020
 F:



CONTAMINATION

Silicon	ppm	201	202	216	177
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	2	3	2

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. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	1264	1135	1094	773
Copper	ppm	0	3	3	2
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	<1
Aluminum	ppm	18	18	19	17
Chromium	ppm	10	10	10	8
Molybdenum	ppm	6	6	7	6
Nickel	ppm	2	2	3	1
Titanium	ppm	1	1	1	1
Silver	ppm	0	0	0	0
Manganese	ppm	10	10	9	7
Vanadium	ppm	0	<1	<1	<1



ADDITIVES

Calcium	ppm	130	139	161	142
Magnesium	ppm	27	33	34	30
Zinc	ppm	75	80	86	75
Phosphorus	ppm	838	824	829	823
Barium	ppm	2	6	7	7
Boron	ppm	87	96	113	95

Depot: BLUFOR
Unique No: 10552329
Signed: Don Baldrige
Report Date: 13 Jul 2023



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GRAPHS

