



CONSTRUCTION EQUIPMENT

SPM579077 VOLVO EC750E 314043 - REAR LEFT FINAL DRIVE



Sample No: VCP408697
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM579077



SAMPLE INFORMATION

Sample Number	VCP408697	VCP406005	VCP398645	VCP371262
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	244	243	241	239
-------------	-----	------------	-----	-----	-----

T: (772)461-3020
 F:



CONTAMINATION

Silicon	ppm	249	280	270	197
Sodium	ppm	2	2	2	2
Potassium	ppm	2	4	4	4

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	1366	1272	1139	761
Copper	ppm	<1	3	3	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	28	31	32	27
Chromium	ppm	10	11	10	8
Molybdenum	ppm	6	7	7	6
Nickel	ppm	2	2	4	2
Titanium	ppm	2	2	2	2
Silver	ppm	0	0	0	1
Manganese	ppm	10	11	10	7
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	185	186	194	178
Magnesium	ppm	27	35	34	31
Zinc	ppm	82	80	84	84
Phosphorus	ppm	836	829	822	822
Barium	ppm	1	6	7	8
Boron	ppm	88	106	115	91

Depot: BLUFOR
Unique No: 10552328
Signed: Don Baldrige
Report Date: 13 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

