



CONSTRUCTION EQUIPMENT

701480 VOLVO EC750E 314043 - REAR LEFT FINAL DRIVE



Sample No: VCP447406
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: 701480



SAMPLE INFORMATION

Sample Number	VCP447406	VCP439249	VCP440114	VCP408697
Sample Date	10 Apr 2024	17 Jan 2024	21 Sep 2023	05 Jul 2023
Machine Hours	5380	4913	4441	3974
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Changed
Sample Status	SEVERE	SEVERE	SEVERE	ABNORMAL

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



OIL CONDITION

Visc @ 40°C	cSt	305	298	291	244
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T: (772)461-3020
 F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	▲ 680	▲ 921	▲ 403	▲ 249
Sodium	ppm	■ 3	■ 4	■ 1	■ 2
Potassium	ppm	■ 7	■ 6	■ 5	■ 2

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.



WEAR METALS

Iron	ppm	▲ 1785	▲ 2155	▲ 1095	▲ 1366
Copper	ppm	■ 5	■ 5	■ 2	■ <1
Lead	ppm	■ <1	■ 0	■ 0	■ 0
Tin	ppm	■ 0	■ <1	■ 0	■ 0
Aluminum	ppm	● 42	● 70	● 48	● 28
Chromium	ppm	▲ 13	▲ 17	■ 9	▲ 10
Molybdenum	ppm	■ 4	■ 5	■ 4	■ 6
Nickel	ppm	■ 6	■ 8	■ 5	■ 2
Titanium	ppm	3	4	3	2
Silver	ppm	0	0	0	0
Manganese	ppm	■ 14	■ 17	■ 9	■ 10
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	■ 188	■ 247	■ 182	■ 185
Magnesium	ppm	■ 16	■ 24	■ 22	■ 27
Zinc	ppm	30	■ 40	■ 47	■ 82
Phosphorus	ppm	■ 1032	■ 977	■ 1020	■ 836
Barium	ppm	■ 2	■ 3	■ 0	■ 1
Boron	ppm	■ 187	■ 153	■ 170	■ 88

Depot: BLUFOR
Unique No: 10979124
Signed: Sean Felton
Report Date: 17 Apr 2024



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VOLVO GRAPHS

