



CONSTRUCTION EQUIPMENT

F02709 PJ KEATING VOLVO EC750E 314081 - DIESEL ENGINE



Sample No: VCP426828
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: F02709 PJ KEATING



CHADWICK-BAROSS INC
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 WEST WARWICK, RI
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SAMPLE INFORMATION

Sample Number	VCP426828	---	---	---
Sample Date	14 Sep 2023	---	---	---
Machine Hours	2698	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	---	---	---
Base Number (BN)	mg KOH/g	█ 10.2	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Soot %	%	█ 0.2	---	---	---
Nitration (PA)	%	54	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	● 168	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 16	---	---	---

WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 239	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1416	---	---	---
Magnesium	ppm	█ 788	---	---	---
Zinc	ppm	█ 1078	---	---	---
Phosphorus	ppm	█ 891	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 276	---	---	---

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. (aux bearing failure).All component wear rates are normal. The wear metal levels do not reflect the reported failure. Elemental level of silicon (Si) above normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: CHAWESRI
Unique No: 10710608
Signed: Don Baldrige
Report Date: 26 Oct 2023



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GRAPHS

