



CONSTRUCTION EQUIPMENT

TERAFLEX VOLVO A30G 742120 - DIESEL ENGINE



Sample No: VCP425158
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: TERAFLEX



SAMPLE INFORMATION

Sample Number	VCP425158	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	6002	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 215 FANNING FIELDS RD
 MILLS RIVER, NC
 US 28759
 Contact: BRANDON DRAKE
 brandon.drake@ascendummachinery.com
 T: 8(286)687-0620
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OIL CONDITION

Visc @ 100°C	cSt	▲ 11.4	---	---	---
Base Number (BN)	mg KOH/g	■ 7.9	---	---	---
Oxidation (PA)	%	73	---	---	---

CONTAMINATION

Soot %	%	■ 0.5	---	---	---
Nitration (PA)	%	66	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 5.0	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

WEAR METALS

Iron	ppm	■ 11	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 46	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1470	---	---	---
Magnesium	ppm	■ 448	---	---	---
Zinc	ppm	■ 1065	---	---	---
Phosphorus	ppm	■ 880	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	92	---	---	---

Depot: VOLVO1672
Unique No: 10670942
Signed: Wes Davis
Report Date: 03 Oct 2023



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GRAPHS

