



# CONSTRUCTION EQUIPMENT

HAMMEL GENERAL CONTRACTING 439707

VOLVO A30E 72116 - DIESEL ENGINE



Sample No: VCE177134

Oil Type: SAE 10W40

Job No: 439707



## SAMPLE INFORMATION

Sample Number	VCE177134	VC537793	---	---
Sample Date	27 Oct 2023	14 May 2010	---	---
Machine Hours	10046	3040	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



### REDHEAD EQUIPMENT

BOX 32098, HIGHWAY #1 EAST  
REGINA, SK  
CA S4N 7L2

Contact: WADE SANDOFF  
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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	▲ 10.5	---	---
Oxidation (PA)	%	58	43	---	---



## CONTAMINATION

Soot %	%	0	0.1	---	---
Nitration (PA)	%	44	42	---	---
Sulfation (PA)	%	48	47	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	0.9	0.0	---	---
Silicon	ppm	4	5	---	---
Sodium	ppm	8	2	---	---
Potassium	ppm	<1	0	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	11	6	---	---
Copper	ppm	4	1	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	58	1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	1011	2510	---	---
Magnesium	ppm	907	8	---	---
Zinc	ppm	1146	1176	---	---
Phosphorus	ppm	970	1000	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	1	2	---	---

Depot: RED705REG  
Unique No: 5671623  
Signed: Kevin Marson  
Report Date: 08 Nov 2023



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## GRAPHS

