



CONSTRUCTION EQUIPMENT

2707-1 MT FUELS VOLVO EC210CL 111723 - DIESEL ENGINE



Sample No: VCP441062
Oil Type: {unknown}
Job No: 2707-1 MT FUELS



SAMPLE INFORMATION

Sample Number	VCP441062	VCP234776	VCP122149	---
Sample Date	09 Jan 2024	08 Oct 2019	13 Feb 2015	---
Machine Hours	12413	0	3218	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	N/A	---
Sample Status	SEVERE	ATTENTION	ATTENTION	---

MCLLUNG-LOGAN EQUIPMENT CO - WISE
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 WISE, VA
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 T:
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OIL CONDITION

Visc @ 100°C	cSt	10.1	19.6	17.97	---
Base Number (BN)	mg KOH/g	8.6	---	---	---
Oxidation (PA)	%	46	63	28	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0	0.3	0	---
Nitration (PA)	%	43	54	33	---
Sulfation (PA)	%	45	57	36	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	39.9	<1.0	<1.0	---
Silicon	ppm	6	4	5	---
Sodium	ppm	<1	<1	5	---
Potassium	ppm	<1	5	0	---



WEAR METALS

Iron	ppm	6	5	62	---
Copper	ppm	5	<1	1	---
Lead	ppm	1	0	7	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	1	4	---
Chromium	ppm	1	<1	2	---
Molybdenum	ppm	19	<1	44	---
Nickel	ppm	1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	<1	0	<1	---
Vanadium	ppm	<1	0	<1	---



ADDITIVES

Calcium	ppm	798	1730	1212	---
Magnesium	ppm	257	9	759	---
Zinc	ppm	625	876	971	---
Phosphorus	ppm	509	712	684	---
Barium	ppm	0	0	0	---
Boron	ppm	24	132	35	---

Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high 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.

Depot: VOLVO8881
Unique No: 10830455
Signed: Wes Davis
Report Date: 16 Jan 2024



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GRAPHS

