

CONSTRUCTION EQUIPMENT 646971 VOLVO EC380EL 311542 - DIESEL ENGINE



Sample No: VCP452303

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No: 646971

VOLVO CAMDIE II	NFORMATION				
	AFURMATION	į.			
Sample Number		VCP452303	VCP407009	VCP334852	
Sample Date		20 Dec 2023	09 May 2023	02 Sep 2021	
Machine Hours		3878	3035	1499	
Oil Hours		700	500	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		ATTENTION	ATTENTION	ABNORMAL	
OIL CONDI.	TION				
Visc @ 100°C	cSt	▲ 11.9	1 2.2	▲ 12.2	
Base Number (BN)		■ 5.8	5.3		
Oxidation (PA)	%	65	72	74	
Chidation (171)	70		, _	, ,	
VOLVO					
CONTAMIN	NATION				
Water	%	NEG	NEG	NEG	
Soot %	%	■ 0.1	0.1	□ 0.1	
Nitration (PA)	%	76	84	82	
Sulfation (PA)	%	57	62	60	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	□ 0.4	
Silicon	ppm	6	6	6	
Sodium	ppm	2	3	5	
Potassium	ppm	0	0	2	
WEAR ME	TALC				
_	1VF7				
Iron	ppm	6	9	8	
Copper	ppm	■3	1 1	<u> 142</u>	
Lead	ppm		- <1	1	
Tin	ppm	■ <1		2	
Aluminum	ppm		- <1	4	
Chromium	ppm	■ 0	0	<1	
Molybdenum	ppm	■ 59	□60	■ 29	
Nickel	ppm	■ 0	0	< 1	
Titanium	ppm	0	0	- <1	
Silver	ppm	■ 0	■0	<1	
Manganese	ppm	■ <1	< 1	 <1	
Vanadium	ppm	<1	0	0	
ADDITIVES	7				
_		1017	m 1117	m 1677	
Calcium	ppm	■ 1017	1117	■ 1677	
Magnesium	ppm	■938	952	□ 580	
Zinc	ppm	1225	1241	1018	

880

841

0

43



FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE DETROIT, MI US 48207 Contact: KEITH HALL keith.hall@fpt1.com T: F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:FERDETUnique No:10822403Signed:Don BaldridgeReport Date:11 Jan 2024

Contact/Location: KEITH HALL - FERDET

ppm

ppm

ppm

925

0

Phosphorus

Barium

Boron



CONSTRUCTION EQUIPMENT





