

CONSTRUCTION EQUIPMENT SPM702818 VOLVO EC550 310286 - DIESEL ENGINE



Sample No: VCP447013

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

Job No: SPM702818

VOLVO	NEODMATION			
	NFORMATION			
Sample Number		VCP447013	VCP438139	
Sample Date		25 Apr 2024	05 Jan 2024	
Machine Hours		1485	675	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
OIT CONDI.	TION			
Visc @ 100°C	cSt	11.9	0 10.7	
Base Number (BN)	mg KOH/g	6.3	4.9	
Oxidation (PA)	%	68	67	
CONTAMIN	NATION			
Water		NEG	NEG	
water Soot %	%	NEG ■ 0.3		
		_	0.2	
Nitration (PA)	%	73	83	
Sulfation (PA)	%	59	60	
Glycol -	%	NEG	NEG	
Fuel	%	<1.0	0.4	
Silicon	ppm	12	2 6	
Sodium	ppm	1	3	
Potassium	ppm	2	■3	
VOLVO				
WEAR ME	TALS			
ron	ppm	12	1 2	
Copper	ppm	46	1 49	
Lead	ppm		2	
Tin	ppm	1	2	
Aluminum	ppm	2	□ <1	
Chromium	ppm	■<1	0	
Molybdenum	ppm	63	1 76	
Vickel	ppm	■ <1	0	
Titanium	ppm	<1	0	
Silver	ppm	■0	0	
Manganese	ppm	□ <1	<u> </u>	
Vanadium	ppm	<1	0	
	7711		V	
ADDITIVES	7			
_				
Calcium	ppm	1188	2050	
Magnesium	ppm	■884	78	
Zinc	ppm	1178	1200	
O				

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ALTA EQUIPMENT COMPANY

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other 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:VOLVO0095Unique No:11004792Signed:Don BaldridgeReport Date:01 May 2024

ppm

ppm

ppm

Phosphorus

Barium

Boron

■886

0

0



CONSTRUCTION EQUIPMENT





