

CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 3546 - DIESEL ENGINE

Sample No: VCP400071

Oil Type: MOBIL 15W40

Job No: TRANSPORT LEASING

VOLVO	VEODA A TION			
SAMPLE II	NFORMATION			
Sample Number	-	VCP400071	 	
Sample Date		10 Oct 2023	 	
Machine Hours		442	 	
Oil Hours		442	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Sample Status		7151101111712		
VOLVO				
OIL CONDI	TION			
Visc @ 100°C	cSt	11.2	 	
Base Number (BN)	mg KOH/g	■5.9	 	
Oxidation (PA)	%	60	 	
VOLVO	I A TION			
CONTAMI	NATIUN			
Soot %	%	0.2	 	
Nitration (PA)	%	75	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	0.5	 	
Silicon	ppm	24	 	
Sodium	ppm	2	 	
Potassium	ppm	2	 	
		_		
VOLVO				
WEAR ME	IALS			
Iron	ppm	12	 	
Copper	ppm	462	 	
Lead	ppm	5	 	
Tin	ppm	2	 	
Aluminum	ppm	<u></u> 2	 	
Chromium	ppm	■0	 	
Molybdenum	ppm	■84	 	
Nickel	ppm	■0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	■2	 	
Vanadium	ppm	0	 	
Variadiani	PPIII	J		
VOLVO	_			
ADDITIVE:	7			
Calcium	ppm	2157	 	
Magnesium	ppm	■14	 	
Zinc	ppm	1209	 	
Phosphorus	ppm	■984	 	
n .	ppiii			



ARNOLD MACHINERY COMPANY

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). Metal levels are typical for a new component breaking in. Fuel content negligible. 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:VOLVO1835Unique No:10699589Signed:Jonathan HesterReport Date:20 Oct 2023

ppm

ppm

0

43

Barium

Boron



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