

CONSTRUCTION EQUIPMENT

TRANSPORT LEASING VOLVO L220H 3546 - DIESEL ENGINE

Sample No: VCP429832
Oil Type: MOBIL 15W40

Job No: TRANSPORT LEASING

SAMPLE II	NFORMATION			
Sample Number		VCP429832	VCP400071	
Sample Date		30 Nov 2023	10 Oct 2023	
Machine Hours		1082	442	
Oil Hours		0	442	
Oil Changed		Changed	Changed	
Sample Status		ATTENTION	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	<u>▲</u> 12.4	<u> </u>	
Base Number (BN)		7.5	5.9	
Oxidation (PA)	%	64	60	
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VOLVO	NATION .			
CONTAMIN				
Water	%	NEG	NEG	
Soot %	%	■ 0.2	0.2	
Nitration (PA)	%	62	75	
Sulfation (PA)	%	55	52	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.5	
Silicon	ppm	11	2 4	
Sodium	ppm	■ 5	_2	
Potassium	ppm	4	2	
VOLVO				
WEAR ME	TALS			
Iron	ppm	84	1 2	
Copper	ppm	11	4 62	
Lead	ppm	■0	5	
Tin	ppm	■<1	2	
Aluminum	ppm	12	2	
Chromium	ppm	2	0	
Molybdenum	ppm	64	■84	
Nickel	ppm	■ 0	0	
Titanium	ppm	<1	0	
Silver	ppm	■ 0	0	
Manganese	ppm	2	2	
Vanadium	ppm	0	0	
VOLVO				
ADDITIVE	5			
Calcium	ppm	1167	□ 2157	
Magnesium	ppm	™783	14	
Zinc	ppm	■1114	1 209	
	44	<u> </u>		

984

0

43



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. 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:VOLVO1835Unique No:10777244Signed:Don BaldridgeReport Date:09 Dec 2023

ppm

ppm

ppm

937

0

Phosphorus

Barium

Boron



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