

CONSTRUCTION EQUIPMENT 470397 VOLVO A30G 742550 - DIESEL ENGINE



Sample No: VCP441538
Oil Type: {unknown}
Job No: 470397

SAMPLE I	NFORMATION			
Sample Number		VCP441538	VCP315989	
Sample Date		07 Feb 2024	29 Jun 2021	
Machine Hours		3960	1310	
Oil Hours		0	500	
Oil Changed		N/A	Changed	
Sample Status		ABNORMAL	ABNORMAL	
		71211011111111	, 131131111111111	
VOLVO	TION			
OIL COND	ITION			
Visc @ 100°C	cSt	12.4	11.4	
Base Number (BN)	mg KOH/g	△ 3.9		
Oxidation (PA)	%	63	82	
CONTAMI	NATION			
Water	%	NEG	NEG	
Soot %	%	1.3	0.5	
Nitration (PA)	%	85	70	
Sulfation (PA)	%	68	66	
Glycol	%	NEG	NEG	
Fuel	%	△ 3.2	△ 3.6	
Silicon	ppm	■ 4	5	
Sodium	ppm	2	2	
Potassium	ppm	■<1	0	
WEAR ME	ZIΔT			
Iron		23	8	
	ppm	2 3	1 5	
Copper Lead	ppm	■ 2	<1 < 1	
Tin	ppm	■<1 ■2	<1	
Aluminum	ppm	2	= <1	
Chromium	ppm	■2 ■<1	<1	
	ppm	■83		
Molybdenum Nickel	ppm	■ 03	4 1	
Titanium	ppm	<1	0	
Silver	ppm		0	
	ppm	0		
Manganese	ppm	<1	<1	
Vanadium	ppm	<1	U	
VOLVO				
ADDITIVE	2			
Calcium	ppm	1972	□1728	
Magnesium	ppm	111	■ 542	
Zinc	ppm	1200	■1093	
Phosphorus	ppm	959	975	
	PPIII			

0



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Diagnosis

PO BOX 2719

The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring. The BN level is low. The condition of the oil is acceptable for the time in service.

Depot:FRESARUnique No:10871597Signed:Jonathan HesterReport Date:13 Feb 2024

ppm

ppm

0

Barium

Boron



CONSTRUCTION EQUIPMENT





