CONSTRUCTION EQUIPMENT TRANSPORT LEASING VOLVO L220H 3555 - DIESEL ENGINE

Sample No:VCP406607Oil Type:MOBIL 15W40Job No:TRANSPORT LEASING

Silicon

Sodium

Potassium

Phosphorus

Barium

Boron

ppm

ppm

ppm

ppm

ppm

ppm

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SAMPLE IN	FORMATION			
Sample Number	-	VCP406607	VCP401920	
Sample Date		23 Jan 2024	13 Dec 2023	
Machine Hours		984	505	
Oil Hours		0	505	
Oil Changed		Changed	N/A	
Sample Status		ATTENTION	ABNORMAL	
OIL CONDI	TION			
Visc @ 100°C	cSt	12.1	1 1.2	
Base Number (BN)	mg KOH/g	8.1	5.6	
Oxidation (PA)	%	61	61	
VOLVO				
CONTAMIN	ATION			
Water	%	NEG	NEG	
Soot %	%	0.1	0.2	
Nitration (PA)	%	61	73	
Sulfation (PA)	%	54	52	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	0.3	

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ARNOLD MACHINERY COMPANY

464 WASHINGTON STREET S TWIN FALLS, ID US 83301 Contact: JANAE HYMAS jhymas@arnoldmachinery.com T: (208)733-1715 F: (775)356-7152

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.

WEAR I	METALS			
Iron	ppm	5	10	
Copper	ppm	55	A 307	
Lead	ppm	2	< 1	
Tin	ppm	2	3	
Aluminum	ppm	 <1	2	
Chromium	ppm		0	
Molybdenum	ppm	68	84	
Nickel	ppm	0	 <1	
Titanium	ppm	<1	0	
Silver	ppm	0	0	
Manganese	ppm	 <1	2	
Vanadium	ppm	0	0	
ADDITI	VES			
Calcium	ppm	1164	1989	
Magnesium	ppm	804	101	
Zinc	ppm	1153	1138	

936

0

45

 Depot:
 VOLVO1835

 Unique No:
 10859445

 Signed:
 Don Baldridge

 Report Date:
 04 Feb 2024

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Contact/Location: JANAE HYMAS - VOLVO1835

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO

