LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH110 155976-1227 - Diesel Engine

Sample No: LH0280558

Oil Type: HDMO SYN BLEND 15W40 CK4

5						
SAMPLEINFORMATION						
Sample Number		LH0280558				
Sample Date		09 Jan 2024				
Machine Hours		166				
Oil Hours		0				
Oil Changed		Not Changd				
Sample Status		ATTENTION				
A						

OILCO	NDITION			
Visc @ 100°C	cSt	12.0	 	
Base Number (BN)	mg KOH/g	7.1	 	
Oxidation (PA)	%	193	 	

CONTAMINATION					
Water	%	NEG			
Soot %	%	0.1			
Nitration (PA)	%	73			
Sulfation (PA)	%	108			
Glycol	%	NEG			
Fuel	%	1.0			
Silicon	ppm	8			
Sodium	ppm	3			
Potassium	ppm	2			

₩EA	R METALS			
Iron	ppm	4	 	
Copper	ppm	16	 	
Lead	ppm	() <1	 	
Tin	ppm	() <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	0 <1	 	
Molybdenum	ppm	42	 	
Nickel	ppm	() <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

ADI	DITIVES			
Calcium	ppm	1202	 	
Magnesium	ppm	808	 	
Zinc	ppm	794	 	
Phosphorus	ppm	693	 	
Barium	ppm	15	 	
Boron	ppm	140	 	



KINDER MORGAN 4301 IVERSON TRINITY, AL US 35601

Contact: CHIP OAKES

T: (256)350-0006 F: (256)355-5250

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. 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: KINTRI
Unique No: 10847994
Signed: Don Baldridge
Report Date: 29 Jan 2024

LIEBHERR







GRAPHS

