LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR736LGP 018903-1155 - Diesel Engine

Sample No: LH0268579

Oil Type: LIEBHERR MOTOROIL 5W-30 LOW ASH

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U SAMP	LE INFOR	MATION		
Sample Number		LH0268579	LH0174113	
Sample Date		05 Feb 2024	02 Mar 2021	
Machine Hours		1317	450	
Oil Hours		867	450	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	
OILCO	NDITION			
Visc @ 100°C	cSt	11.6	O 11.9	
Base Number (BN)	mg KOH/g	6.9		
Oxidation (PA)	%	65	190	
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CONTAMINATION					
Water	%	NEG	0.102		
Soot %	%	0.1	0.1		
Nitration (PA)	%	81	93		
Sulfation (PA)	%	55	107		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	8	0 8		
Sodium	ppm	0	O 3		
Potassium	ppm	4	4		

WEA	R METALS			
Iron	ppm	9	O 9	
Copper	ppm	O 128	0 304	
Lead	ppm	00	03	
Tin	ppm	00	02	
Aluminum	ppm	0 2	01	
Chromium	ppm	0 <1	O <1	
Molybdenum	ppm	0	O 44	
Nickel	ppm	0	O <1	
Titanium	ppm	<1	<1	
Silver	ppm	0	<1	
Manganese	ppm	0	1	
Vanadium	ppm	0	<1	

ADDITIVES					
Calcium	ppm	1638	O 1308		
Magnesium	ppm	474	O 759		
Zinc	ppm	○ 808	O 855		
Phosphorus	ppm	639	O 683		
Barium	ppm	6	28		
Boron	ppm	54	9 7		
DOIOII	ppm	₩ 54	0 97		



LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD RALEIGH, NC

US 27603

Contact: Timothy Bailey timothy.bailey@liebherr.com

Т:

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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:LIEBHERRNCUnique No:10863277Signed:Don BaldridgeReport Date:07 Feb 2024

Submitted By: TAYLOR BLALOCK

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GRAPHS







