LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR PR766 027905-1681 - Diesel Engine

Sample No: LH0254468

Oil Type: LIEBHERR MOTOROIL 5W30

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SAMPLEINFOR	MATION		
Sample Number	LH0254468	LH0254459	
Sample Date	15 Feb 2024	13 Feb 2024	
Machine Hours	301	346	
Oil Hours	301	346	
Oil Changed	Changed	Changed	
Sample Status	NORMAL	NORMAL	
OIL CONDITION			

OILCO				
Visc @ 100°C	cSt	11.9	11.9	
Base Number (BN)	mg KOH/g	6.0	○ 6.6	
Oxidation (PA)	%	196	190	
CONT	A SAINI A TI			

CONTAMINATION					
Water	%	NEG	NEG		
Soot %	%	0.1	0.1		
Nitration (PA)	%	83	75		
Sulfation (PA)	%	107	106		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	9	9		
Sodium	ppm	0	O 1		
Potassium	ppm	4	0		

WEA	R METALS			
Iron	ppm	14	O 10	
Copper	ppm	O 27	0 17	
Lead	ppm	00	0 <1	
Tin	ppm	0 <1	O <1	
Aluminum	ppm	2	O 2	
Chromium	ppm	0 <1	0	
Molybdenum	ppm	49	44	
Nickel	ppm	0	O 0	
Titanium	ppm	<1	0	
Silver	ppm	0	O 0	
Manganese	ppm	6	4	
Vanadium	ppm	0	0	

TIVES				
ppm	1232	O 1396		
ppm	857	951		
ppm	858	930		
ppm	758	O 793		
ppm	28	O 14		
ppm	129	O 116		
	ppm ppm ppm ppm	ppm	ppm 1232 1396 ppm 857 951 ppm 858 930 ppm 758 793 ppm 28 14	ppm 1232 1396 ppm 857 951 ppm 858 930 ppm 758 793 ppm 28 14



HEAVY MACHINES INC. 3930 EAST RAINES RD MEMPHIS, TN US 38118

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T:

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Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:LEC0051Unique No:10898261Signed:Don BaldridgeReport Date:27 Feb 2024

Contact/Location: J. DAVIS - LEC0051

CONSTRUCTION EQUIPMENT





GRAPHS







