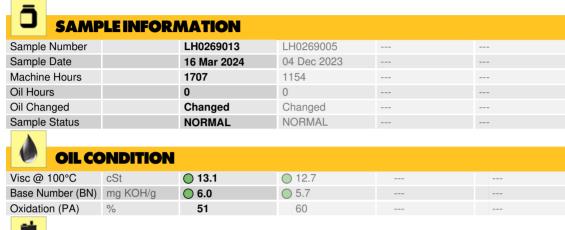
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH60 1217-146108 - Diesel Engine

Sample No: LH0269013

Oil Type: DURALENE Dura-Max 15W40



CONTAMINATION								
Water	%	NEG	NEG					
Soot %	%	0.1	0.1					
Nitration (PA)	%	63	63					
Sulfation (PA)	%	53	58					
Glycol	%	NEG	NEG					
Fuel	%	<1.0	<1.0					
Silicon	ppm	6	4					
Sodium	ppm	○ <1	O 2					
Potassium	ppm	4	3					

WEA	R METALS			
lane.		0 -	0.5	
Iron	ppm	7	O 5	
Copper	ppm	25	O 95	
Lead	ppm	1	1	
Tin	ppm	2	O <1	
Aluminum	ppm	3	1	
Chromium	ppm	O <1	O <1	
Molybdenum	ppm	5	4	
Nickel	ppm	() <1	O 0	
Titanium	ppm	<1	<1	
Silver	ppm	0	O 0	
Manganese	ppm	0 <1	O <1	
Vanadium	ppm	<1	0	

ADDITIVES								
Calcium	ppm	3772	2225					
Magnesium	ppm	70	O 84					
Zinc	ppm	1672	1063					
Phosphorus	ppm	1348	○ 839					
Barium	ppm	2	O 2					
Boron	ppm	4	4					



CONSERVIT INC. PO BOX 1517 HAGERSTOWN, MD US 21740 Contact: DON LONG

Contact: DON LONG dlong@conservit.biz T: (301)791-0100 F: (301)739-8548

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:CONHAGUnique No:10942574Signed:Don BaldridgeReport Date:28 Mar 2024

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

