CONSTRUCTION EQUIPMENT

[[YORKTOWN MATERIALS]] LIEBHERR R946 045303-1491 - Diese

Sample No: LH0267617

Oil Type:

SAMPLE INFORMATION

DIESEL ENGINE OIL SAE 15W40

57

Sample Number	LH0267617	 	
Sample Date	21 Sep 2023	 	
Machine Hours	3480	 	
Oil Hours	3480	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	



Base Number (BN)mg KOH/gOxidation (PA)%

11									
Water	%	NEG							
Soot %	%	0.1							
Nitration (PA)	%	63							
Sulfation (PA)	%	52							
Glycol	%	NEG							
Fuel	%	<1.0							
Silicon	ppm	6							
Sodium	ppm	<mark>()</mark> <1							
Potassium	ppm	6							

(• WEAR METALS Iron ppm 8 🔘 Copper 0 37 ppm Lead **○** <1 ppm Tin 0 <1 ppm Aluminum 6 ppm Chromium ○ <1 ppm Molybdenum ppm 0 54 Nickel 0 ppm Titanium 0 ppm Silver 0 🔘 ppm Manganese 0 <1 ppm Vanadium ppm 0

DITIVES				
ppm	0 1337			
ppm	0 829			
ppm	0 1217			
ppm	0 1012			
ppm	0			
ppm	0 17			
	ppm ppm ppm ppm ppm	ppm 0 1337 ppm 829 ppm 1217 ppm 0 1012 ppm 0	ppm 1337 ppm 829 ppm 1217 ppm 1012 ppm 0	ppm 1337 ppm 829 ppm 1217 ppm 1012 ppm 0



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE NEWPORT NEWS, VA US 23607 Contact: LUKE APPLEBY Lucas.Appleby@liebherr.com T: F: (757)298-8700

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.Metal levels are typical for a components first oil change. 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:LIEBHERRUSUnique No:10683876Signed:Wes DavisReport Date:09 Oct 2023

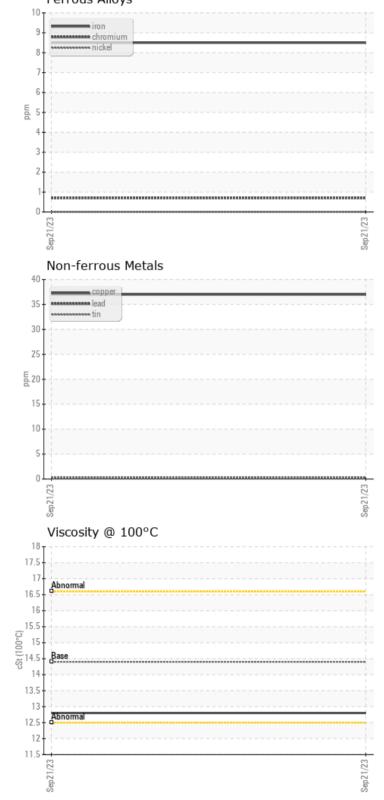




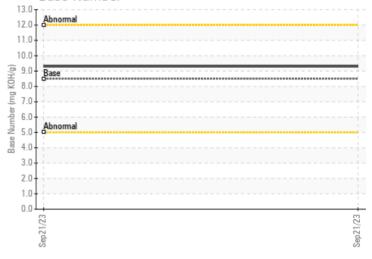
Ferrous Alloys

GRAPHS

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Base Number



Report Id: LIEBHERRUS [WUSCAR] 05971926 (Generated: 01/04/2024 09:05:56) Rev: 1

Contact/Location: LUKE APPLEBY - LIEBHERRUS