LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LHMC79923

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLEINFORMATION								
Sample Number	LHMC79923	LHMC118945	LHMC84753					
Sample Date	16 Jun 2021	18 Nov 2020	03 Apr 2020					
Machine Hours	4478	3111	1846					
Oil Hours	0	0	0					
Oil Changed	Changed	Changed	Changed					
Sample Status	NORMAL	NORMAL	NORMAL					

Sample	Status		NONWAL	NORIVIAL	NORIVIAL	
0	OIL CC	NDITION				
Visc @	40°C	cSt	107	216	223	

CONT	AMINATIO	ON			
Silicon	ppm	9	O 112	O 114	
Sodium	ppm	6	150	O 151	
Potassium	ppm	1	15	O 2	

WEA	R METALS				
Iron	ppm	6	28	2 4	
Copper	ppm	0 <1	O <1	O <1	
Lead	ppm	0	O 0	O 0	
Tin	ppm	0	0	0	
Aluminum	ppm	0	O 45	O 44	
Chromium	ppm	0	O <1	O <1	
Molybdenum	ppm	5	O <1	() <1	
Nickel	ppm	O <1	O <1	() <1	
Titanium	ppm	○ <1	O 1	1	
Silver	ppm	0	0	0	
Manganese	ppm	() <1	O <1	() <1	
Vanadium	ppm	0	<1	<1	

ADDITIVES							
Calcium	ppm	2027	○ 355	O 342			
Magnesium	ppm	33	0 8	9			
Zinc	ppm	873	O 25	26			
Phosphorus	ppm	831	O 1131	O 1196			
Barium	ppm	4	O 295	○ 312			
Boron	ppm	20	O 2	O 2			



RIVER METALS RECYCLING - LOUISVILLE PO BOX 6521 LOUISVILLE, KY US 40206

Contact: RYAN BOWDEN

T:

F: (502)587-8699

Diagnosis

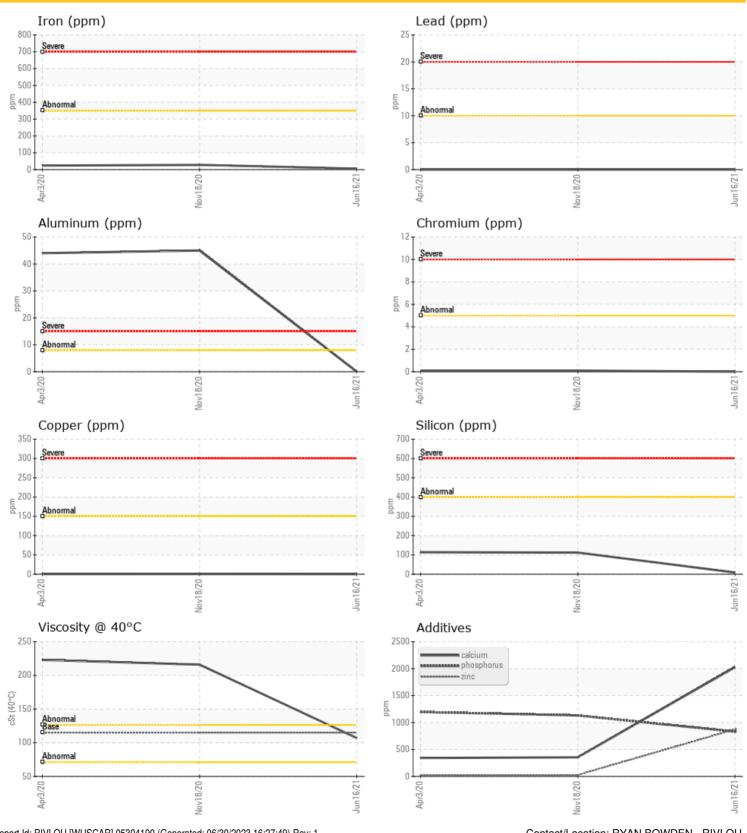
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:RIVLOUUnique No:9583150Signed:Don BaldridgeReport Date:19 Jul 2021





GRAPHS



Report Id: RIVLOU [WUSCAR] 05304190 (Generated: 06/30/2023 16:27:49) Rev: 1

Contact/Location: RYAN BOWDEN - RIVLOU