LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH60M 142743-1217 - Rear Differential

Sample No: LH0249558

Titanium

Manganese

Vanadium

Silver

ppm

ppm

ppm

ppm

0

0

<1</p>

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90

SAMPLE INFORMATION Sample Number LH0249558	5				
Sample Date 12 Jul 2023	SAN	APLE INFO	DRMATION		
Machine Hours 1065	Sample Number		LH0249558	 	
Oil Hours 0	Sample Date		12 Jul 2023	 	
Oil Changed Changed Sample Status NORMAL OIL CONDITION Visc @ 40°C CSt 171 CONTAMINATION Silicon ppm 5 Sodium ppm 3 Sodium ppm 3 Potassium ppm <1	Machine Hours		1065	 	
Sample Status NORMAL	Oil Hours		0	 	
OIL CONDITION Visc @ 40°C cSt 171 CONTAMINATION Silicon ppm 5 Sodium ppm 3 Potassium ppm <1	Oil Changed		Changed	 	
Visc @ 40°C cSt 171 Silicon ppm 5 Sodium ppm 3 Potassium ppm <1	Sample Status		NORMAL	 	
Visc @ 40°C cSt 171 CONTAMINATION Silicon ppm 5 Sodium ppm 3 Potassium ppm <1					
Visc @ 40°C cSt 171 CONTAMINATION Silicon ppm 5 Sodium ppm 3 Potassium ppm <1	OIL O	CONDITIO	ON		
CONTAMINATION Silicon ppm ○ 5				 	
Silicon ppm ○ 5	-4				
Sodium ppm 3 <td>CON</td> <td>ITAMINA</td> <td>TION</td> <td></td> <td></td>	CON	ITAMINA	TION		
Potassium ppm		ppm		 	
WEAR METALS Iron ppm ○ 20 Copper ppm ○ 12 Lead ppm ○ <1	Sodium	ppm	3	 	
Iron	Potassium	ppm	○ <1	 	
Iron					
Copper ppm 12 </td <td>WE!</td> <td>AR META</td> <td>LS</td> <td></td> <td></td>	WE!	AR META	LS		
Lead ppm <td>Iron</td> <td>ppm</td> <td>20</td> <td> </td> <td></td>	Iron	ppm	20	 	
Lead ppm <td>Copper</td> <td>ppm</td> <td>12</td> <td> </td> <td></td>	Copper	ppm	12	 	
Aluminum ppm Image: square of the content of the conte		ppm	0 <1	 	
Chromium ppm Image: square of the control of the contr	Tin	ppm	0	 	
Molybdenum ppm 0 0	Aluminum	ppm	0 <1	 	
	Chromium	ppm	○ <1	 	
Nickel ppm	Molybdenum	ppm	0	 	
	Nickel	ppm	O <1	 	

ADDI"	TIVES			
Calcium	ppm	15	 	
Magnesium	ppm	O <1	 	
Zinc	ppm	20	 	
Phosphorus	ppm	1201	 	
Barium	ppm	309	 	
Boron	ppm	29	 	



RICHMOND STEEL RECYCLING

11760 MITCHELL ROAD RICHMOND, BC CA V6V 1V8

Contact: Aaron Kaetler AKaetler@richmondsteel.ca

T:

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Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot:RIC117RICUnique No:5617513Signed:Wes DavisReport Date:26 Jul 2023

LIEBHERR







GRAPHS

