



### 2021.16.0827 - Coolant

Sample No: LH0286845

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Oil Type: HYBRID (HOAT) COOLANT

<b>SAMPLE INFORMATION</b>						
Sample Number	LH0286845					
Sample Date	07 Mar 2024					
Machine Hours	0					
Sample Status	NORMAL					

COOL	ANT CON	DITION		
Boron	ppm	02	 	
Phosphorus	ppm	08	 	
Sodium	ppm	<b>8876</b>	 	
Potassium	ppm	<b>991</b>	 	
Silicon	ppm	8	 	
рН	Scale 0-14	0 7.65	 	
Reserve Alkalinity	Scale 0-20	<b>3.2</b>	 	
Molybdenum	ppm	11	 	
Nitrites	ppm	<b>880</b>	 	
Percentage Glycol	%	<b>50.4</b>	 	
Freezing Point	°C	<b>-37</b>	 	

### CONTAMINATION

Magnesium	ppm	2	 	
Calcium	ppm	6	 	
Coolant Appearance		Clear	 	
Coolant Color		Pink	 	
Sand/Dirt	scalar	NONE	 	
Debris	scalar	NONE	 	
Precipitate	scalar	NONE	 	
Silt	scalar	<b>NONE</b>	 	

CORROSION						
Iron	ppm	0				
Aluminum	ppm	<mark>()</mark> <1				
Copper	ppm	04				
Lead	ppm	0 ()				
Tin	ppm	0				

LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Morteza Mahmoudi morteza.mahmoudi@liebherr.com T: (905)319-9222 F: (905)319-6622

### Diagnosis

The fluid is suitable for further service. Resample at the next service interval to monitor.All metal levels are normal indicating no corrosion in the cooling system. There is no indication of any contamination in the coolant. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Depot:REMANUnique No:5746080Signed:Kevin MarsonReport Date:11 Mar 2024

Contact/Location: Morteza Mahmoudi - REMAN

# CONSTRUCTION EQUIPMENT



## GRAPHS

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#### Iron/Tin/Silver Reserve Alkalinity 16 T 13-A1. Abnormal 12 iron 14 • tin 11 silver 10 12 9 **Reserve Alkalinity** 10 8 7 ppm 8 6 5 6 4 3 Abnormal 2 2 0 0 Mar7/24 Mar7/24 Mar7/24 Mar7/24 Copper/Aluminum/Lead Freeze Point 10 10 copper 5 9 aluminum 0 lead 8 -5 -10 ()-15 -15 -20 ß mdo 5 -25 -30 3 -35 -40 -45 -50 0 Mar7/24 Mar7/24 Mar7/24 D.C. Mar7 pН Nitrites 14 3000 Abnormal 12 2500 Abnorma 10 2000 Nitit Nitit Nitit Abnorma 핌 ß 1000 4 Abnorma 500 2 0 0 Mar7/24 -Mar7/24 Mar7/24 Mar7/24

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Contact/Location: Morteza Mahmoudi - REMAN