



## 2019.04.1185 - Coolant

Sample No: LH0285036

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**Oil Type:** EXTENDED LIFE COOLANT

J SAMPLE INFORMATION						
Sample Number	LH0285036					
Sample Date	20 Feb 2024					
Machine Hours	0					
Sample Status	ABNORMAL					

Boron	ppm	19			
Phosphorus	ppm	1			
Sodium	ppm	<b>14066</b>			
Potassium	ppm	<b>3980</b>			
Silicon	ppm	46			
рН	Scale 0-14	0 7.81			
Reserve Alkalinity	Scale 0-20	● 4.0			
Molybdenum	ppm	<b>412</b>			
Nitrites	ppm	440			
Percentage Glycol	%	<b>56.4</b>			
Freezing Point	°C	<b>-46</b>			

## CONTAMINATION

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Magnesium	ppm	<b>1</b> 3	 	
Calcium	ppm	09	 	
Coolant Appearance		Clear	 	
Coolant Color		Orange	 	
Sand/Dirt	scalar	NONE	 	
Debris	scalar	NONE	 	
Precipitate	scalar	NONE	 	
Silt	scalar	NONE	 	

	OSION			
Iron	ppm	0	 	
Aluminum	ppm	<b>5</b>	 	
Copper	ppm	02	 	
Lead	ppm	0	 	
Tin	ppm	0	 	

LIEBHERR CANADA LTD. - REMAN

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## Diagnosis

Drain system and refill with 50/50 premix of manufacturer recommended coolant.All metal levels are normal indicating no corrosion in the cooling system. Hardness is elevated. Elevated hardness can allow scale formation that will reduce cooling system effectiveness. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

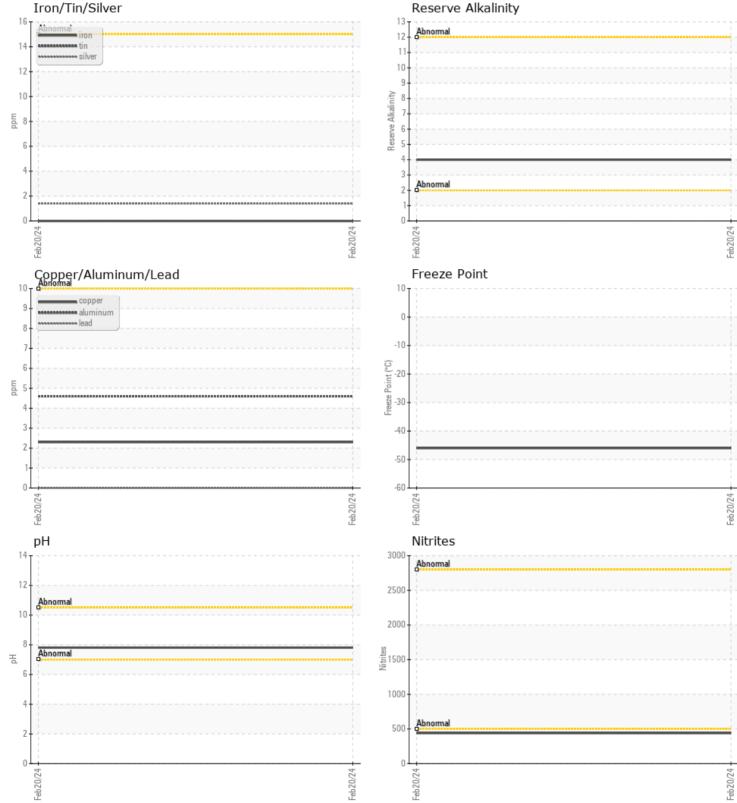
Depot:REMANUnique No:5734372Signed:Kevin MarsonReport Date:23 Feb 2024

## CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: Morteza Mahmoudi - REMAN