## LIEBHERR





### [[KRAMER]] PETTIBONE T944X EX20093-17 - Front Right Fine

Sample No: LH0254044

Oil Type: GEAR OIL LS 80W90

SAMPLEINFORMATION           Sample Number         LH0254044         LH0185244	_				
Sample Number   Sample Date   03 Oct 2023	U SAM	<b>PLE INFO</b>	ORMATION		
Sample Date   03 Oct 2023				LH0185244	 
Machine Hours 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			03 Oct 2023		 
Oil Changed         N/A         N/A         N/A <t< td=""><td>•</td><td></td><td></td><td></td><td> </td></t<>	•				 
Dil Changed   N/A   N					 
OIL CONDITION					 
Oil CONDITION  Visc				-	 
CONTAMINATION  Silicon	<b>A</b>				
CONTAMINATION  Silicon	OH C	CANDITIO	<b>ANI</b>		
CONTAMINATION  Silicon					
Silicon	Visc @ 40°C	cSt	<b>128</b>	O 133	 
Silicon	<b>11</b>				
Silicon	CON	TAMINA	ATION		
Sodium				0.6	
VEAR METALS   VEAR METALS   VEAR METALS     VEAR METALS			_	_	
WEAR METALS           ron         ppm         49         38             Copper         ppm         14         38             Lead         ppm         0         1             Fin         ppm         0         <1					
Tron		ррш	U I		 
Tron	(O)				
Copper         ppm         ● 14         ● 38             Lead         ppm         ● 0         ● 1             Tin         ppm         ● 0         < 1	WEA	AR META	LS		
Lead	Iron	ppm	<b>49</b>	<b>38</b>	 
Tin ppm 0 0 <1	Copper	ppm	<b>14</b>	<b>38</b>	 
Aluminum ppm	Lead	ppm	<b>0</b>	O 1	 
Chromium ppm 3	Tin	ppm	<b>0</b> 0	O <1	 
Molybdenum         ppm         54         <1	Aluminum	ppm	<b>()</b> <1	O <1	 
Nickel   ppm   0	Chromium	ppm	<b>3</b>	O <1	 
Titanium ppm 0 <1 Silver ppm 0 <1 Silver ppm 0 <1	Molybdenum	ppm	54	<1	 
Silver ppm 0 <1	Nickel	ppm	<b>0</b>	<1	 
Manganese         ppm         0         <1	Titanium	ppm	0	<1	 
Vanadium         ppm         0         0             ADDITIVES           Calcium         ppm         91         530             Magnesium         ppm         40         6             Zinc         ppm         55         174             Phosphorus         ppm         981         1025	Silver	ppm	0	<1	 
ADDITIVES           Calcium         ppm         ● 91         530             Magnesium         ppm         ● 40         6             Zinc         ppm         ● 55         174             Phosphorus         ppm         ● 981         1025	Manganese	ppm	<b>0</b> 0	<1	 
Calcium         ppm         91         530             Magnesium         ppm         40         6             Zinc         ppm         55         174             Phosphorus         ppm         981         1025	Vanadium	ppm	0	0	 
Calcium         ppm         91         530             Magnesium         ppm         40         6             Zinc         ppm         55         174             Phosphorus         ppm         981         1025	o ADD	ITIVE¢			
Magnesium         ppm         Q 40         6             Zinc         ppm         Q 55         174             Phosphorus         ppm         Q 981         1025					
Zinc ppm					 
Phosphorus ppm <b>981</b> 1025	-	ppm			 
		ppm			 
<b>Barium</b> ppm <b>○ 0</b>	Phosphorus	ppm	•		 
	Barium	ppm	<b>0</b>	0	 



#### AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900

#### Diagnosis

F: (715)675-9748

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:
 LEC0008

 Unique No:
 10698052

 Signed:
 Sean Felton

 Report Date:
 18 Oct 2023

Contact/Location: CHRIS BARTNIK - LEC0008

ppm

Boron

# CONSTRUCTION EQUIPMENT





#### **GRAPHS**

