



094706 - Left Planetary

Sample No: LH0036220

Oil Type: SAE 75W90

Sample Number	LH0036220	 	
Sample Date	30 Nov 2023	 	
Machine Hours	0	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	SEVERE	 	

OIL CONDITION

cSt

Visc @ 40°C

76.9	

Water	%	NEG			
Silicon	ppm	0 46			
Sodium	ppm	8 🔘			
Potassium	ppm	0 14			

💝 WEAI	R METALS			
PQ		0 12	 	
		•		
Iron	ppm	0 727	 	
Copper	ppm	403	 	
Lead	ppm	0 13	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	23	 	
Chromium	ppm	06	 	
Molybdenum	ppm	0 0	 	
Nickel	ppm	3	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	26	 	
Vanadium	ppm	0	 	

ADDITIVES Calcium 011 ppm Magnesium 133 ppm Zinc ppm 0 251 Phosphorus 0 1417 ppm Barium ppm 05 Boron ppm 0 261

LIEBHERR CANADA LTD.

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Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.Copper ppm levels are severe. Iron ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot:	LIEMIS
Unique No:	5694105
Signed:	Kevin Marson
Report Date:	07 Dec 2023

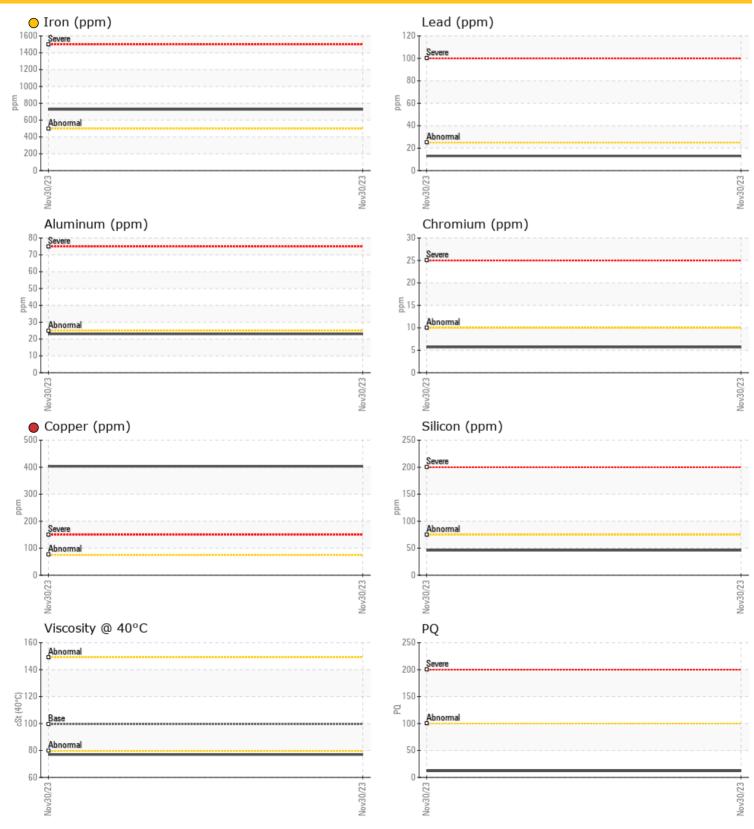
Contact/Location: Steve Lehto - LIEMIS





GRAPHS

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Contact/Location: Steve Lehto - LIEMIS