CONSTRUCTION EQUIPMENT



LIEBHERR ET00417 - Hydraulic System

Sample No: LH0250503

Oil Type: PETRO CANADA 30W

Ō CAN	IDI E INIE	DRMATION		
SAN	APLE IMPO	JRMATION		
Sample Number		LH0250503	 	
Sample Date		22 Aug 2023	 	
Machine Hours		11323	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
<u> </u>				
OIL	CONDITIO	ON		
Visc @ 40°C	cSt	39.6	 	
-1				
CON	TAMINA	TION		
CON	IAMINA	LIIUN		
Particles >4µm		15528	 	
Particles >6µm		313	 	
Particles >14μm		36	 	
ISO 4406:1999 (c)	21/15/12	 	
Silicon	ppm	2	 	
Sodium	ppm	0 1	 	
Potassium	ppm	1	 	
**				
◎ WE	AR META	LS		
PQ		0 0	 	
Iron	ppm	O 31	 	
Copper	ppm	0 2	 	
Lead	ppm	00	 	
Tin	ppm	0 0	 	
Aluminum	ppm	0 2	 	
Chromium	ppm	<u>0</u> 21	 	
Molybdenum	ppm	0 <1	 	
Nickel	ppm	0 <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	01	 	
Vanadium	ppm	0	 	
	PPIII			
ADD	ITIVES			
Calcium	ppm	<u> </u>	 	
Magnesium	ppm	0 5	 	
Zinc	ppm	208	 	
Phosphorus	ppm	O 639	 	
Hospilolus	ppiii	- 003		

Schnitzer Steel Canada Ltd.

12195 Musqueam Dr. Surrey, BC **CA V3V 3T2** Contact: Shirley Bliss

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Diagnosis

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.Chromium and iron ppm levels are abnormal. Ring wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: **AMISUR** Unique No: 5642022 Kevin Marson Signed: **Report Date:** 08 Sep 2023

Contact/Location: Shirley Bliss - AMISUR

0

0 <1

ppm

ppm

Barium

Boron

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GRAPHS

