BHERR Ξ **CONSTRUCTION EQUIPMENT**

[WEST COAST METAL] LIEBHERR R924 041508 - Swing Drive

Sample No: LH0260664

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

- SAN		ORMATION			
Sample Number		LH0260664	LH0238654	LH0238676	LH0122653
Sample Date 19 Jul 202		19 Jul 2023	17 Nov 2022	18 Oct 2022	18 Feb 2022
Machine Hours 13316		13316	12369	12262	11292
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		SEVERE	ABNORMAL	ABNORMAL	NORMAL
	CONDITIC	ON			
			0.04.4	0.45.0	0 00 1
/isc @ 40°C	cSt	199	94.4	0 45.2	88.1
	ITAMINA	TION			
Water	%			0.407	
Silicon	ppm	0 35	01	02	9
Sodium	ppm	2	0 <1	2	2
Potassium	ppm	01	0 <1	○ <1	04
~					
	AR META	16			
PQ		0			
ron	ppm	982	0 174	0 78	286
Copper	ppm	0 139	0 17	0 137	37
_ead	ppm	0 4	0 2	5	0 4
Tin	ppm	0 15	0 <1	○ <1	0 <1
Aluminum	ppm	0 <1	○ <1	○ <1	○ <1
Chromium	ppm	0 10	01	02	04
Molybdenum	ppm	01	0 <1	○ <1	○ <1
Nickel	ppm	○ <1	0	0	○ <1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Vanganese	ppm	08	0 1	○ <1	2
Vanadium	ppm	0	<1	0	0
	DITIVES				
Calcium		0 16	0 31	0 57	29
	ppm		0 1	0 2	•
Magnesium Zinc	ppm	 1 86 	0 179	395	○ <1 ○ 114
	ppm	•		444	÷
Phosphorus	ppm	2110	0 1553	444	0 1343

 $\bigcirc 0$

0 10

 $\bigcirc 0$

0 34

 $\bigcirc 0$

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e that you check all areas can enter the system. The e at the time of sampling noted. Confirm the source ricant being utilized for toprecommend an early to monitor this Iron, tin and chromium ppm abnormal. Bearing and/or vear is indicated. The low ensity (PQ) index indicates metal levels are due to High concentration of dirt the oil. High amount of dirt has caused abrasive ne component. Additive licate the addition of a orand, or type of oil. of sample indicates oil is E 90 range, advise te. The oil is no longer le as a result of the and/or severe wear.

Depot:	WES577LAN		
Unique No:	5632486		
Signed:	Kevin Marson		
Report Date:	31 Aug 2023		

0

14

ppm

ppm

Barium

Boron

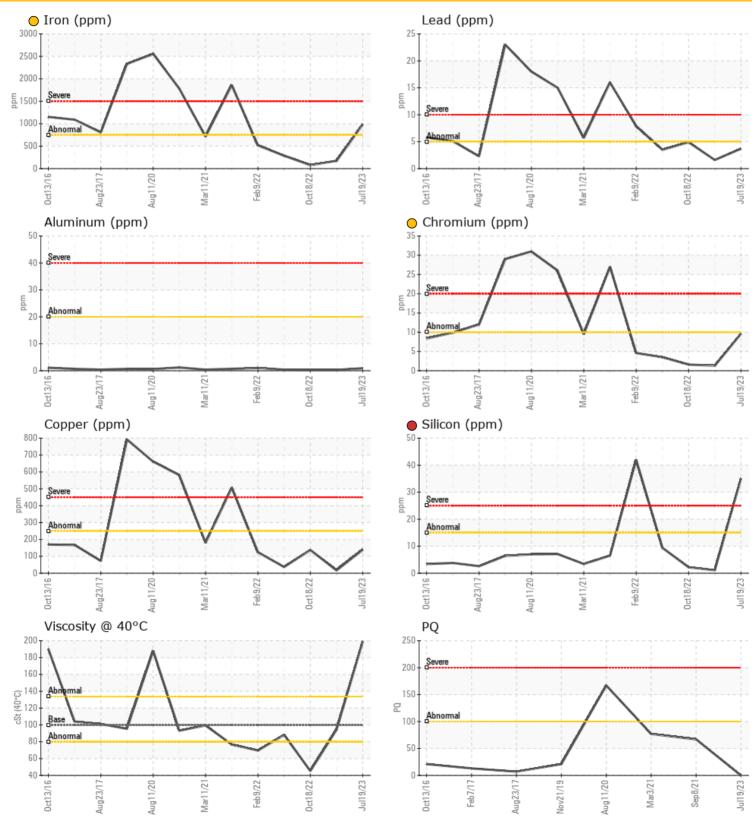
Contact/Location: Terry . - WES577LAN





GRAPHS

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Report Id: WES577LAN [WCAMIS] 02579426 (Generated: 08/31/2023 09:46:39) Rev: 1

Contact/Location: Terry . - WES577LAN