LIEBHERR

CONSTRUCTION EQUIPMENT



[(347076)] LIEBHERR L586 062518-1761 - Hydraulic System

Sample No: LH0269536

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL

5					
SAMP	LE INFOR <i>i</i>	MOITAN			
Sample Number		LH0269536	LH0234516	LH0238543	LH0224201
Sample Date		28 Aug 2023	17 Jan 2023	20 Aug 2022	30 Mar 2022
Machine Hours		7038	5327	4090	2924
Oil Hours		0	0	0	0
Oil Changed		Changed	N/A	Not Changd	Not Changd
Sample Status		ABNORMAL	SEVERE	ABNORMAL	ABNORMAL
OIL CO	NDITION				
Visc @ 40°C	cSt	43.0	42.1	42.6	○ 42.9
CONT	AMINATIO	N			
Particles >4µm		18900	35776	32534	<u>51113</u>

CONT	AMINATIO	N			
Particles >4µm		18900	35776	32534	O 51113
Particles >6µm		1935	O 845		1842
Particles >14μm		128	○ 34	5 2	1 3
ISO 4406:1999 (c)		21/18/14	22/17/12	22/18/13	23/18/11
Silicon	ppm	31	3 5	2 5	<u>20</u>
Sodium	ppm	2	3	3	O 2
Potassium	ppm	4	3	O 2	O 2

WEA	R METAI	LS				
PQ			0 0			
Iron	ppm	48	O 57	O 42	40	
Copper	ppm	5	7	6	O 5	
Lead	ppm	9	O 13	O 12	O 11	
Tin	ppm	 <1	O <1	O <1	O <1	
Aluminum	ppm	<u> </u>	<u> </u>	<u> </u>	10	
Chromium	ppm	5	5	3	3	
Molybdenum	ppm	0	O 0	O 0	O 0	
Nickel	ppm	0	O <1	O 0	O	
Titanium	ppm	<1	1	<1	<1	
Silver	ppm	0	0	0	0	
Manganese	ppm	○ <1	O 1	O <1	O <1	
Vanadium	ppm	0	0	0	0	

Variadiaiii	PPIII	•	0	0	0	
ADD	ITIVES					
		0.00		1000		
Calcium	ppm	651	1245	1209	1277	
Magnesium	ppm	14	O 17	1 3	O 11	
Zinc	ppm	532	O 707	O 698	683	
Phosphorus	ppm	468	O 632	593	O 623	
Barium	ppm	() <1	0	O 0	<1	
Boron	ppm	○ <1	O <1	O <1	O 2	



MODERN CONSTRUCTION (1983) LTD.

364 BRIGGS CROSS ROAD STILESVILLE, NB CA E1G 3G3 Contact: Blaine Cail

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T: F:

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for topup/fill. We recommend an early resample to monitor this condition. Aluminum ppm levels are noted. All other component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: MODSTI
Unique No: 5632820
Signed: Kevin Marson
Report Date: 01 Sep 2023

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GRAPHS

