LIEBHERR

CONSTRUCTION EQUIPMENT



ppm

Sample No: LH0274567

Potassium

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

0<1

5					
U SAM	APLE INFO	DRMATION			
Sample Number	r	LH0274567	LH0247224	LH0247359	LH0239181
Sample Date		05 Sep 2023	06 Apr 2023	22 Dec 2022	08 Sep 2022
Machine Hours		13109	12387	11804	11186
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	ATTENTION	NORMAL	NORMAL
OIL	CONDITIO	ON			
Visc @ 40°C	cSt	91.9	O 91.5	92.7	99.1
CON	ITAMINA	TION			
Silicon	ppm	2	3	O 1	O 2
Sodium	mag	0 1	01	0 <1	O <1

WEAR	METALS				
PQ			0 0		
Iron	ppm	55	9 7	1 5	O 12
Copper	ppm	0 <1	O <1	O <1	 <1
Lead	ppm	0	O 0	0	0
Tin	ppm	0	O 0	0	O 0
Aluminum	ppm	○ <1	O 1	O <1	O <1
Chromium	ppm	<1	O 1	O 0	O 0
Molybdenum	ppm	○ <1	O <1	O <1	O 1
Nickel	ppm	0	O <1	0	O 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0 <1	O 1	O <1	O <1
Vanadium	ppm	0	0	0	0

Vanadium ppm	0	0	0	0				
		U	0	0				
ADDITIVES								
Calcium ppm	17	O 23	O 21	26				
Magnesium ppm	4	0 8	10	17				
Zinc ppm	57	O 65	46	O 52				
Phosphorus ppm	1232	O 1291	O 1222	O 1191				
Barium ppm	0	O 0	O	0				
Boron ppm	276	O 264	O 220	140				



American Iron and Metal

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Contact: Heavy Equipment

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Diagnosis

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: AMEHAM
Unique No: 5633847
Signed: Wes Davis
Report Date: 06 Sep 2023

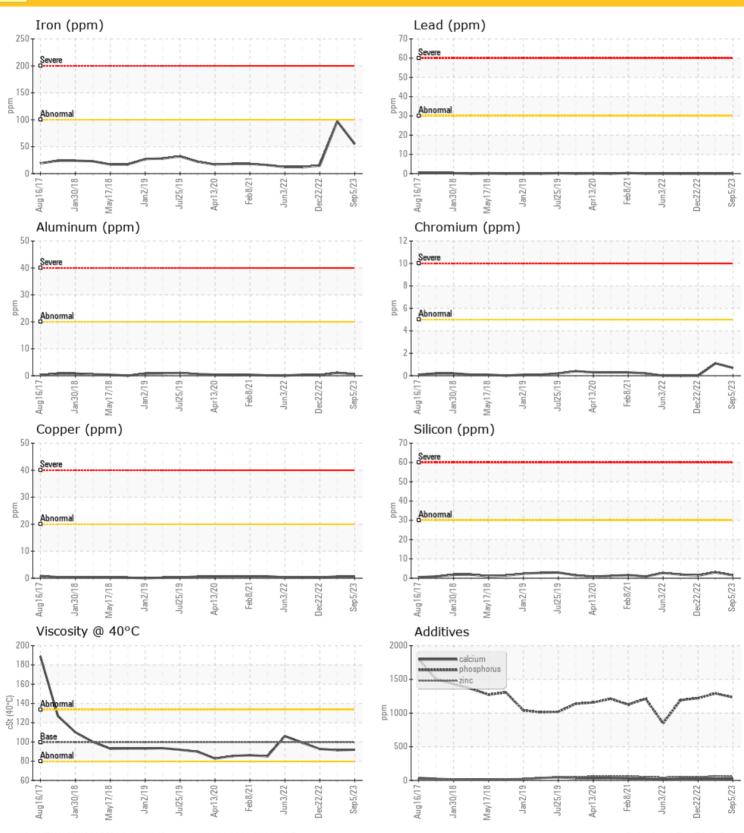
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GRAPHS



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Submitted By: Rick Cule