LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR HS895 188244 - 2 Swing Drive

Sample No: LH0289537

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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Sample Information						
Sample Number	LH0289537	LH0276120	LH0266043	LH0067794		
Sample Date	10 May 2024	05 Sep 2023	06 Jun 2023	07 Dec 2012		
Machine Hours	21278	19868	15269	526		
Oil Hours	0	0	0	0		
Oil Changed	Changed	N/A	Changed	Changed		
Sample Status	NORMAL	ABNORMAL	ABNORMAL	NORMAL		
Oil Condition						

Oil Co	ndition				
Visc @ 40°C	cSt	87.4	93.3	92.1	196
- 1 Total					

Cont	amination					
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0	3	1	O 11	
Sodium	ppm	 <1	0 2	O <1	O 1	
Potassium	ppm	0 <1	0 2	O <1	O 2	

Wear	r Metals				
Iron	ppm	25	O 51	46	○ 329
Copper	ppm	152	3	196	O <1
Lead	ppm	4	1	5	O 0
Tin	ppm	3	0	<u>15</u>	0
Aluminum	ppm	() <1	O <1	O <1	O <1
Chromium	ppm	0	O <1	O 0	5
Molybdenum	ppm	0	O 0	O 0	O <1
Nickel	ppm	0 <1	O <1	O <1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	() <1	O <1	O <1	3
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
WI .					
Add	litives				
Calcium	ppm	o 5	O 32	O 14	4 3
Magnesium	ppm	O <1	O 2	O 2	O 1
Zinc	ppm	6	20	○ 30	O 22
Phosphorus	ppm	750	O 1332	O 1225	O 1118
Barium	ppm	0	O 2	0	O <1
Boron	ppm	28	○ 287	O 275	2



HIGGS & HIGGS RR # 4 ST THOMAS, ON CA N5P 3S8 Contact: Bernie Higgs

T: (519)631-4095 F: (519)631-2745

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot:HIGSTTUnique No:5801760Signed:Wes DavisReport Date:26 Jun 2024

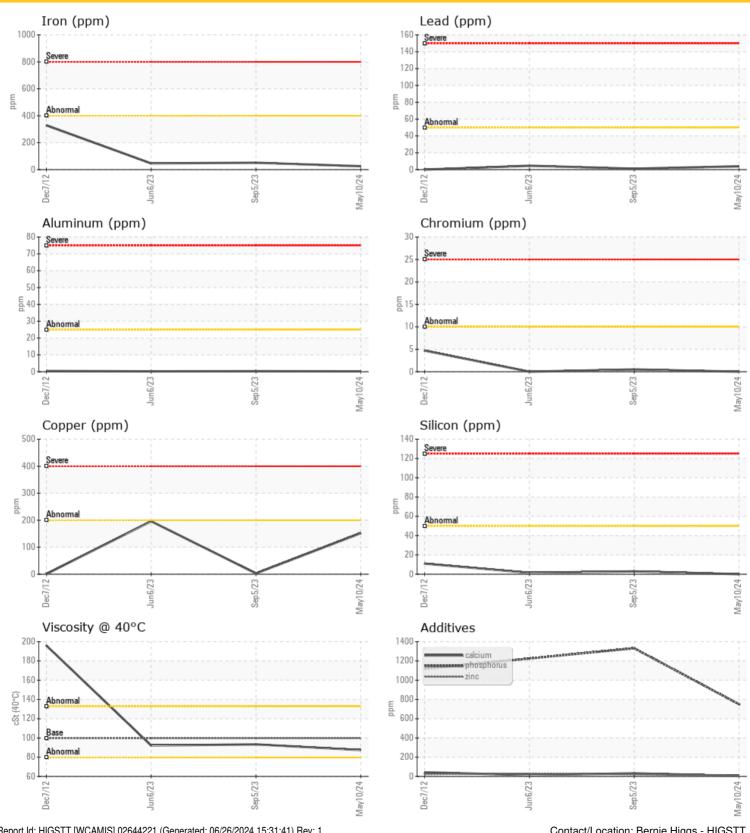
Contact/Location: Bernie Higgs - HIGSTT

CONSTRUCTION EQUIPMENT





Graphs



Report Id: HIGSTT [WCAMIS] 02644221 (Generated: 06/26/2024 15:31:41) Rev: 1

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