LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR L550 040969-1287 - Splitter Box

Sample No: LH0247294

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

SAM	PLE INF(ORMATION			
Sample Number		LH0247294	LH	LH0242665	LH0239647
Sample Date		27 Jun 2023	12 Jan 2023	19 Oct 2022	26 Jul 2022
Machine Hours		19847	18588	18027	17561
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status	1	NORMAL	NORMAL	NORMAL	NORMAL
OILC	ONDITIO	ON			
Visc @ 40°C	cSt	63.9	O 94.9	O 126	○ 81.0
-4					
CONI	TAMINA	TION			
Water	%			0.025	
Silicon	ppm	3	4	O 12	02
Sodium	ppm	0 1	O 1	02	O <1
		•	<u> </u>		

Sodium	ppm	1	O 1	0 2	○ <1			
Potassium	ppm	0 <1	O <1	O <1	O <1			
WEAR METALS								
Iron	ppm	8	8	16	O 4			
Copper	ppm	2	O 1	1	O <1			
Lead	ppm	() <1	O <1	O <1	O <1			
Tin	ppm	0	0	0	O 0			
Aluminum	ppm	() <1	O <1	3	O <1			
Chromium	ppm	3	1	O <1	O <1			
Molybdenum	ppm	2	O 0	0	O 0			
Nickel	ppm	() <1	O <1	O <1	O 0			
Titanium	ppm	0	0	<1	0			
Silver	ppm	0	0	0	0			
Manganese	ppm	0	O <1	O <1	O 0			

agaooo	PP	-	O 1.	0 4.					
Vanadium	ppm	0	0	0	0				
ADDITIVES									
Calcium	ppm	126	60	O 44	5 3				
Magnesium	ppm	38	O 1	O 2	O 2				
Zinc	ppm	542	302	160	205				
Phosphorus	ppm	1166	O 1761	2105	O 1074				
Barium	ppm	0	O 0	O 0	0				
Boron	ppm	14	28	39	○ 234				





CMI - COMBINED METAL INDUSTRIES 505 GARY RAY DRIVE NORTH YORK, ON CA M9L 1P9 Contact: Greg Sacher

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F:

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. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: COMWES
Unique No: 5604451
Signed: Kevin Marson
Report Date: 30 Jun 2023

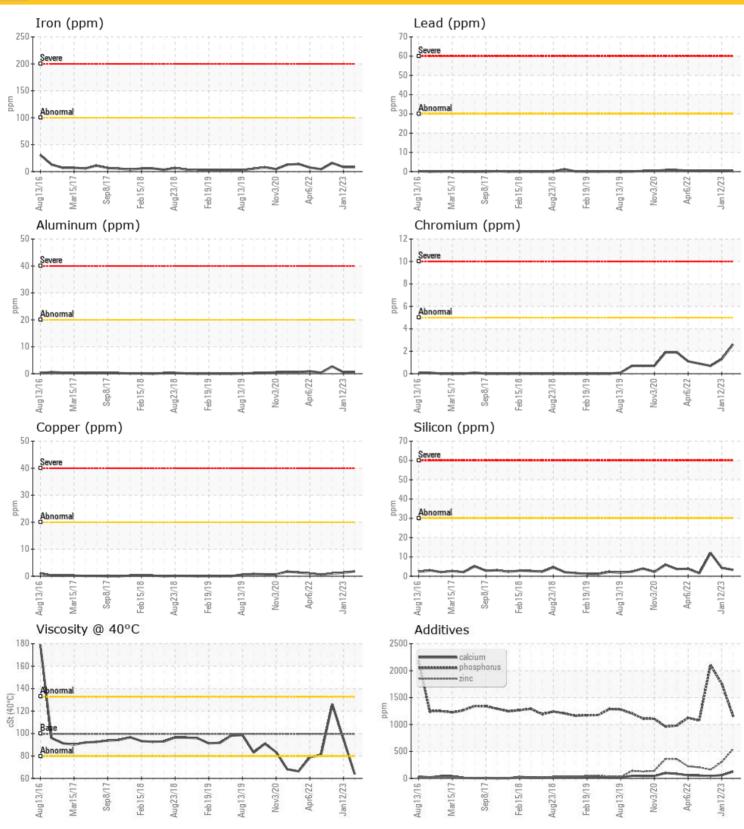
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GRAPHS



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Submitted By: Rick Cule