LIEBHERR

CONSTRUCTION EQUIPMENT

[ALLTERRA] LIEBHERR LH60M 65464 - Front Differential

Sample No: LH0281200

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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U SAN	NPLE INF	ORMATION						
Sample Number		LH0281200	LH0144859	LH				
Sample Date		18 Jan 2024	31 Jul 2019	22 May 2019				
Machine Hours		17608	15200	0				
Oil Hours		0	0	0				
Oil Changed		Changed	Not Changd	N/A				
Sample Status		NORMAL	NORMAL	NORMAL				
OIL	CONDITION	ON						
Visc @ 40°C	cSt	131	O 134	O 134				
**								
CONTAMINATION								
Water	%	NEG	NEG	NEG				
Silicon	ppm	O <1	O <1	2				
Sodium	ppm	13	O 12	O 12				
Potassium	ppm	1620	O 1892	O 1813				

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WEAR METALS								
Iron	ppm	3	O 2	O 4				
Copper	ppm	33	O 27	26				
Lead	ppm	1	O <1	O <1				
Tin	ppm	0	O 0	O 0				
Aluminum	ppm	0 <1	O <1	O <1				
Chromium	ppm	0	O 0	O 0				
Molybdenum	ppm	0	O 0	<1				
Nickel	ppm	0 <1	0	0				
Titanium	ppm	0	0	0				
Silver	ppm	0	<1	1				
Manganese	ppm	0	O <1	<1				
Vanadium	ppm	0	0	0				

variadium	ppm	U	U	U				
ADDITIVES								
Calcium	ppm	83	○ 87	83				
Magnesium	ppm	0 <1	O <1	1				
Zinc	ppm	24	O 25	24				
Phosphorus	ppm	478	493	474				
Barium	ppm	() <1	O <1	<1				
Boron	ppm	1471	1755	1688				



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Т:

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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.

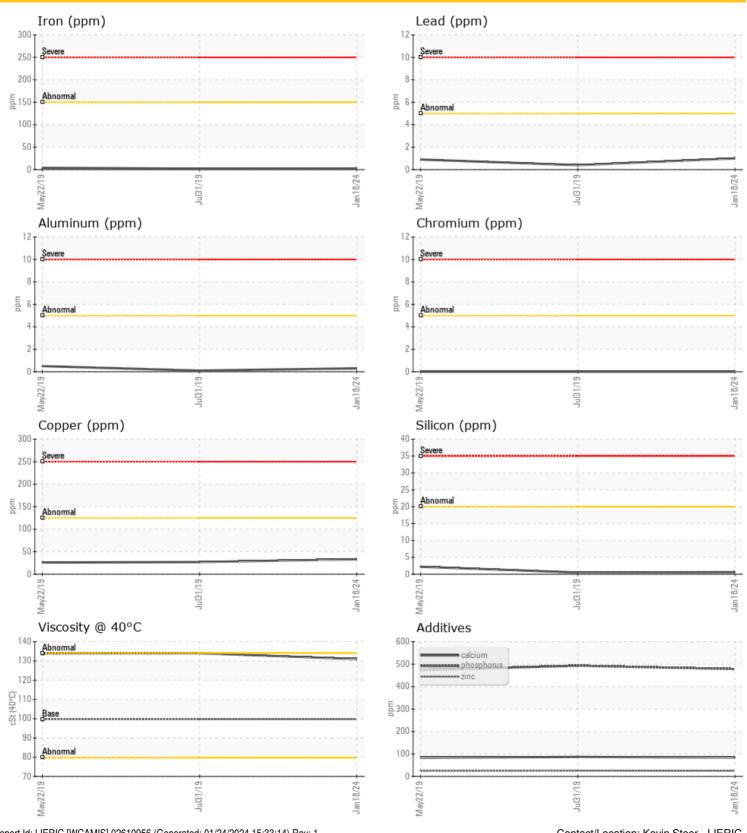
Depot: LIERIC
Unique No: 5720051
Signed: Wes Davis
Report Date: 24 Jan 2024

Contact/Location: Kevin Steer - LIERIC





GRAPHS



Report Id: LIERIC [WCAMIS] 02610956 (Generated: 01/24/2024 15:33:14) Rev: 1

Contact/Location: Kevin Steer - LIERIC