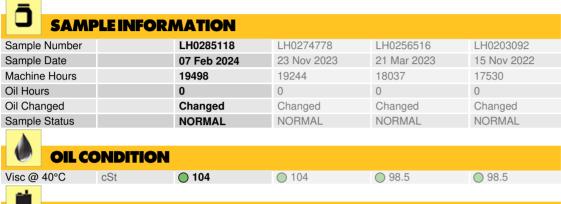
LIEBHERR

CONSTRUCTION EQUIPMENT

059596-194 - Front Right Wheel Hub

Sample No: LH0285118

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



CONTAMINATION						
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	1	O 2		O 2	
Sodium	ppm	 <1	O <1	O <1	O <1	
Potassium	ppm	() <1	0	O <1	O <1	

(A)							
WEAR METALS							
Iron	ppm	5	9	O 19	O 16		
Copper	ppm	○ <1	1	O 1	O 1		
Lead	ppm	0	O 0	0	O 0		
Tin	ppm	0	O 0	O <1	O 0		
Aluminum	ppm	○ <1	O <1	O <1	O <1		
Chromium	ppm	0	O 0	0	0		
Molybdenum	ppm	0	O 0	O 0	O 0		
Nickel	ppm	0	O <1	0	O 0		
Titanium	ppm	0	O 0	O 0	O 0		
Silver	ppm	0	<1	0	0		
Manganese	ppm	0	O 0	O <1	O <1		
Vanadium	ppm	0	0	0	0		

vanadium	ppm	U	U	U	U		
ADDITIVES							
Calcium	ppm	13	O 7	6	O 5		
Magnesium	ppm	2	O 1	1	O 1		
Zinc	ppm	9	9	8	8		
Phosphorus	ppm	1261	1290	1346	1307		
Barium	ppm	0	O <1	O <1	O <1		
Boron	ppm	299	283	○ 315	○ 313		



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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:BAKOTTUnique No:5734827Signed:Wes DavisReport Date:23 Feb 2024





GRAPHS

