



LIEBHERR 134249 - 2 Winch

Sample No: LH0286371

Oil Type:

PETRO CANADA TRAXON 75W90 SYNTHETIC

178

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Sample Information						
Sample Number	LH0286371					
Sample Date	23 Apr 2024					
Machine Hours	4909					
Oil Hours	0					
Oil Changed	Changed					
Sample Status	NORMAL					
Oil Conditi	~ m					

UII Condition cSt

Contamination

%

ppm

ppm

ppm

Visc @ 40°C

Water

Silicon

Sodium

Potassium

Diagnosis

T:

F:

CALGARY, AB CA T2C 2N8

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as PETRO CANADA TRAXON 75W90 SYNTHETIC, however, a fluid match indicates that this fluid is SAE 90 Gear Oil. Please confirm the oil type and grade on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 90 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.

WARD AND BURKE MICROTUNNELLING LTD

9279 BARLOW TRAIL SE

Contact: Service Manager canadainfo@wardandburke.com

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Wear	Metals			
Iron	ppm	011	 	
Copper	ppm	○ <1	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	○ <1	 	
Vanadium	ppm	0	 	
0				

Add Add	litives			
Calcium	ppm	0 12	 	
Magnesium	ppm	01	 	
Zinc	ppm	0 49	 	
Phosphorus	ppm	833	 	
Barium	ppm	○ <1	 	
Boron	ppm	73	 	

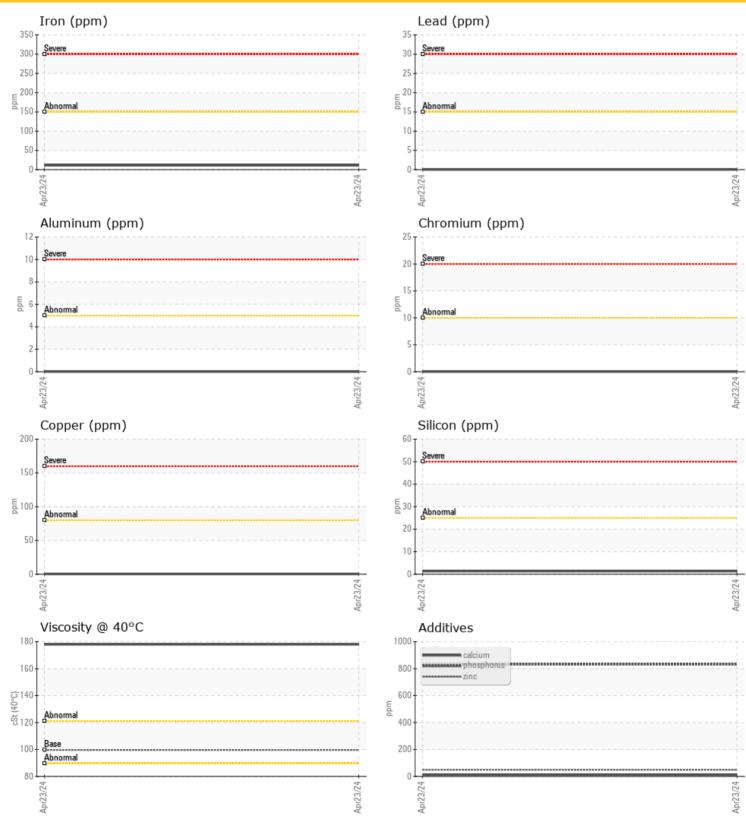
Depot: WARCAL Unique No: 5776491 Signed: Kevin Marson **Report Date:** 14 May 2024 Contact/Location: Service Manager - WARCAL

CONSTRUCTION EQUIPMENT



Graphs

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Contact/Location: Service Manager - WARCAL