2 **CONSTRUCTION EQUIPMENT**

LIEBHERR R936 040309-1148 - Left Final Drive

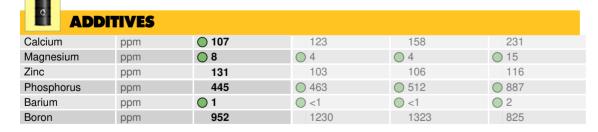
PETRO CANADA TRAXON 75W90 SYNTHETIC

Sample No: LH0214961

Oil Type:

SAMPLE INFORMATIONSample NumberLH0214961LH0119400LH0110772LH0092955Sample Date17 Nov 202107 May 201822 Aug 201725 Feb 201Machine Hours8375498339071139Oil Hours0000Oil ChangedChangedChangedN/AChangedSample StatusABNORMALNORMALNORMALNORMAL	
Sample Date 17 Nov 2021 07 May 2018 22 Aug 2017 25 Feb 201 Machine Hours 8375 4983 3907 1139 Oil Hours 0 0 0 0 0 Oil Changed Changed Changed N/A Changed	
Machine Hours 8375 4983 3907 1139 Oil Hours 0 0 0 0 0 Oil Changed Changed Changed N/A Changed	5
Oil Hours 0 0 0 0 0 Oil Changed Changed Changed N/A Changed	16
Oil Changed Changed Changed N/A Changed	
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Sample Status ABNORMAL NORMAL NORMAL NORMAL	
Visc @ 40°C cSt 0 106 113 14 120	
Silicon ppm 0 115 0 45 0 24 0 6	
Sodium ppm 16 12 12	
Potassium ppm 1113 1351 1407 921	
Ä	
WEAR METALS	

Iron	ppm	0 282	139	78	0 41	
Copper	ppm	01	0 2	2	01	
Lead	ppm	01	◯ <1	◯ <1	○ <1	
Tin	ppm	0 ()	0 ()	0	0	
Aluminum	ppm	<mark>)</mark> 31	0 13	07	01	
Chromium	ppm	04	0 2	◯ <1	○ <1	
Molybdenum	ppm	○ <1	0	0	○ <1	
Nickel	ppm	3	2	<1	<1	
Titanium	ppm	2	1	<1	0	
Silver	ppm	0	0	0	0	
Manganese	ppm	03	0 1	◯ <1	○ <1	
Vanadium	ppm	<1	<1	0	0	







RICHMOND STEEL RECYCLING

11760 MITCHELL ROAD RICHMOND, BC CA V6V 1V8 Contact: Aaron Kaetler AKaetler@richmondsteel.ca T: F: (604)324-8617

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for topup/fill. We recommend an early resample to monitor this condition.Aluminum ppm levels are noted. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Depot:	RIC117RIC
Unique No:	5317028
Signed:	Bill Quesnel
Report Date:	19 Nov 2021





GRAPHS

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