



LIEBHERR 185289 - 1 Winch

Sample No: LH0270277

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

Comple Number	ple Infor		LH0194890		
Sample Number		LH0270277		 	Horbour Dovelament
Sample Date		29 Sep 2023	12 Jan 2022		Harbour Develpment
Machine Hours		3024	1043	 	380 Bayside Dr
Oil Hours		0	0	 	St John, NB
Oil Changed		N/A	Changed	 	CA E2J 4Y8
Sample Status		NORMAL	ABNORMAL	 	Contact: Darien Edison
Oil C	ondition				edison.darien@harbourdev.com T: F:
Visc @ 40°C	cSt	0 100	225	 	F.
-		0	U ====		
	aminatio				Diagnosis
Cont					Resample at the next service inte
Water	%	0.101	NEG	 	to monitor.All component wear rat
Silicon	ppm	() <1	0 1	 	are normal. The water content is negligible. There is no indication of
Sodium	ppm	01	◯ <1	 	
Potassium	ppm	<mark></mark> <1	○ <1	 	any contamination in the oil. The condition of the oil is acceptable for
Iron	ppm	9	37	 	
Copper	ppm	0 9	0 37	 	
Lead	ppm	 <1	0 <1	 	
Tin	ppm	0	00	 	
Aluminum	ppm	0	0 <1	 	
Chromium	ppm	0	0 <1	 	
Molybdenum	ppm	0	0 0	 	
Nickel	ppm	O <1	0 <1	 	
Titanium	ppm	0	0	 	
Silver	ppm	<1	0	 	
Manganese	ppm	0	○ <1	 	
Vanadium	ppm	0	0	 	
Add	itives				
Calcium	ppm	0 17	64	 	
Magnesium	ppm	<u> </u>	0 <1	 	
Zinc	ppm	0 30	0 86	 	
Phosphorus	ppm	0 1151	424	 	
Barium	ppm	○ <1	○ <1	 	

Depot:HAR380STJUnique No:5656335Signed:Wes DavisReport Date:06 Oct 2023

0 257

5

ppm

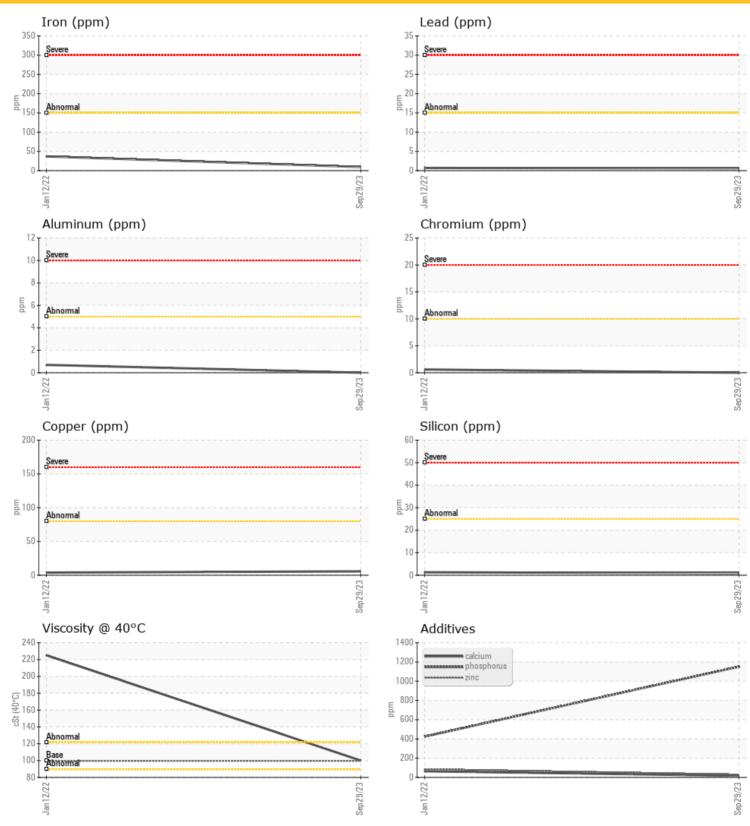
Boron

CONSTRUCTION EQUIPMENT



Graphs

 \odot



Report Id: HAR380STJ [WCAMIS] 02587269 (Generated: 05/17/2024 14:04:33) Rev: 1

Contact/Location: Darien Edison - HAR380STJ