



LIEBHERR 185289 - Diesel Engine

Sample No: LH0270272

Oil Type:

PETRO CANADA DURON UHP 5W30

NEG

<1.0

04

05

0 <1

ole Info	rmation			
	LH0270272	LH0234565	LH0194885	
	29 Sep 2023	06 Sep 2022	12 Jan 2022	
	3024	1540	1043	
	0	0	0	
	N/A	N/A	Changed	
	NORMAL	NORMAL	NORMAL	
		11.6	0 11 6	
	Ŭ	-	J	
%	NEG	NEG	NEG	
%	0 🔘	0	0	
%	73	68	66	
%	55	60	68	
	onditio cSt % minat % % % %	29 Sep 2023 3024 0 N/A NORMAL Ondition cSt 11.3 % 73 *** % NEG % 0 % 73	LH0270272 LH0234565 29 Sep 2023 06 Sep 2022 3024 1540 0 0 N/A N/A NORMAL NORMAL	LH0270272 LH0234565 LH0194885 29 Sep 2023 06 Sep 2022 12 Jan 2022 3024 1540 1043 0 0 0 0 N/A N/A Changed NORMAL NORMAL NORMAL off 11.3 11.6 11.6 % 73 78 95 station 0 0 0 % NEG NEG NEG % 0 0 0 % 73 68 66

NEG

0 1.5

04

08

0 <

NEG

<1.0

 $\bigcirc 7$

 $\bigcirc 7$

2

Harbour Develpment

380 Bayside Dr St John, NB CA E2J 4Y8 Contact: Darien Edison edison.darien@harbourdev.com T: F:

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.

Wee	ar Metals				
Iron	ppm	8	07	09	
Copper	ppm	0 34	0 18	26	
Lead	ppm	0 2	2	03	
Tin	ppm	01	0 2	2	
Aluminum	ppm	○ <1	0 1	01	
Chromium	ppm	0 ()	0 0	◯ <1	
Molybdenum	ppm	65	53	53	
Nickel	ppm	0 🔘	0	○ <1	
Titanium	ppm	0	<1	0	
Silver	ppm	<mark></mark> <1	0	<1	
Manganese	ppm	0 🔘	◯ <1	◯ <1	
Vanadium	nnm	0	0	0	

	_
	0

Glycol

Silicon

Sodium

-

Potassium

Fuel

%

%

ppm

ppm

ppm

Add	itives				
Calcium	ppm	0 859	834	877	
Magnesium	ppm	O 1161	0 1062	0 1098	
Zinc	ppm	0 1243	0 1146	0 1094	
Phosphorus	ppm	0 1016	0 1055	● 999	
Barium	ppm	○ <1	○ <1	2	
Boron	ppm	31	0 46	0 48	

Depot:HAR380STJUnique No:5656176Signed:Wes DavisReport Date:05 Oct 2023

Report Id: HAR380STJ [WCAMIS] 02587110 (Generated: 05/17/2024 14:03:54) Rev: 1

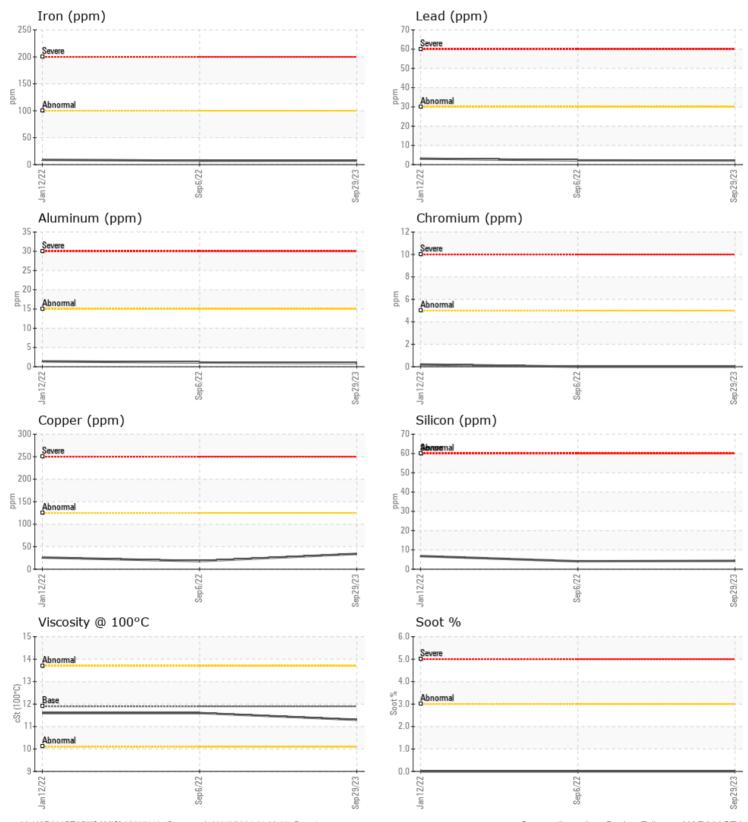
Contact/Location: Darien Edison - HAR380STJ





Graphs

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