LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH0180235

Oil Type: PETRO CANADA DURON HP 15W40

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U SAM	PLE INFO	DRMATION			
Sample Number		LH0180235	LH	LH0139129	LH0136432
Sample Date		06 Oct 2020	07 Jul 2020	01 Mar 2020	08 Nov 2019
Machine Hours		0	0	13087	12984
Oil Hours		0	0	0	500
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL
Campic Otatus		ADNOMINAL	ADIVOLUNAL	ADNOTIVIAL	ADNOTHNAL
A					
	ONDITIO				
Visc @ 40°C	cSt	71.3	64.3	58.4	51.8
CON	TAMINA	ATION			
Silicon	ppm	Q 4	O 5	O 4	O 5
Sodium	ppm	O 2	0 <1	0 <1	0 <1
Potassium	ppm	0 <1	0 2	O <1	0.1
.44.	le le	O 11		0	
O WE	R META	16			
WEA	IK ME I A	LS			
Iron	ppm	16	1 3	O 21	O 15
Copper	ppm	8	4	6	O 7
Lead	ppm	() <1	O <1	O 0	O 0
Tin	ppm	() <1	O <1	O <1	O <1
Aluminum	ppm	1	O 1	O 2	0 2
Chromium	ppm	O <1	O 0	O <1	O <1
Molybdenum	ppm	39	O 51	O 42	O 27
Nickel	ppm	0	O <1	O 0	O <1
Titanium	ppm	0	0	<1	<1
Silver	ppm	O <1	O 0	O 0	0
Manganese	ppm	2	O 1	O 2	O 2
Vanadium	ppm	0	0	0	0
ADD	ITIVES				
Calcium	ppm	877	O 1230	1498	O 1769
Magnesium	ppm	599	O 794	554	O 254
Zinc	ppm	869	O 1157	O 1067	O 928
Phosphorus	ppm	O 1083	O 1034	O 973	0 859
Barium	ppm	O <1	0 0	0 <1	0 <1
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J.D. Irving

Truro Sawmill, 529 Valley Dale Road Truro, NS CA B2N 5C5

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Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid.
Viscosity of sample indicates oil is within SAE 30 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 fluid is acceptable for the time in service.

Depot: JDITRU
Unique No: 5122466
Signed: Kevin Marson
Report Date: 22 Oct 2020

ppm

110

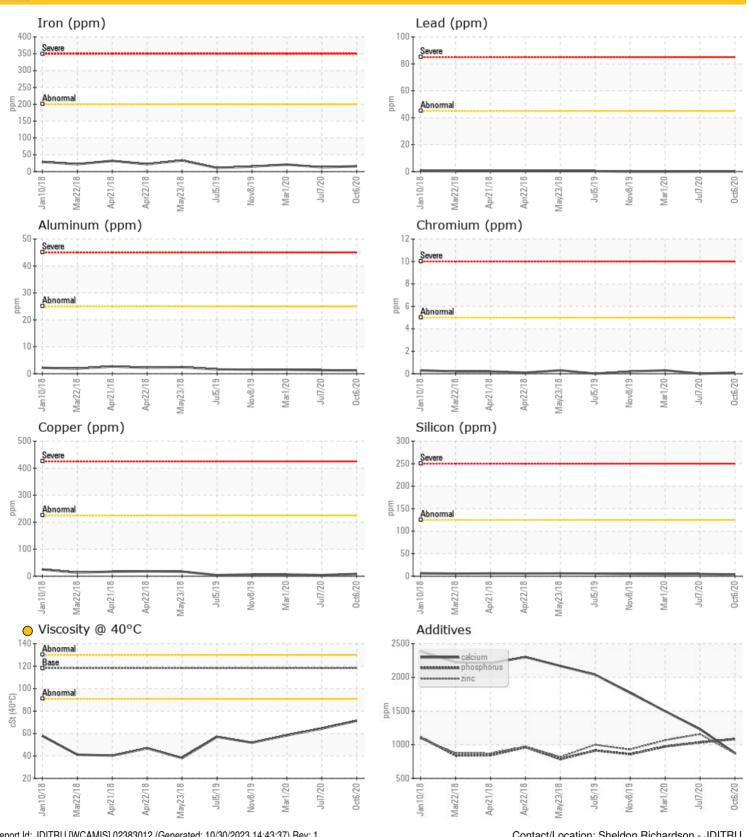
Boron

CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: JDITRU [WCAMIS] 02383012 (Generated: 10/30/2023 14:43:37) Rev: 1

Contact/Location: Sheldon Richardson - JDITRU