LIEBHERR

CONSTRUCTION EQUIPMENT



[PRO CAISSONS [601832]] LIEBHERR LB35 115695 - Diesel Eng

Sample No: LH0286714

Sodium

Potassium

Oil Type: PETRO CANADA SUPREME 5W30

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ppm

ppm

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SAN	NPLE INF	ORMATION			
Sample Number		LH0286714	LH0222281	LH0224651	
Sample Date		06 Mar 2024	28 Sep 2022	08 Feb 2022	
Machine Hours		2047	1051	614	
Oil Hours		0	0	0	
Oil Changed		N/A	N/A	N/A	
Sample Status		NORMAL	NORMAL	NORMAL	
Visc @ 100°C	cSt	ON (12.2)	O 13.9	O 12.4	
Oxidation (PA)	%	105	75	198	
CON	TAMIN/	ATION			
Water	%	NEG	NEG	NEG	
Soot %	%	0.1	O 0	O 0	
Nitration (PA)	%	97	66	101	
Sulfation (PA)	%	69	59	112	
Glycol	%	0.0	NEG	NEG	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	6	O 5	7	

WEA WEA	R METAL	S			
Iron	ppm	18	0 7	1 9	
Copper	ppm	34	O 20	O 102	
Lead	ppm	2	1	6	
Tin	ppm	 <1	O <1	O 2	
Aluminum	ppm	8	0 8	24	
Chromium	ppm	O <1	O <1	<1	
Molybdenum	ppm	62	57	47	
Nickel	ppm	0	O 0	<1	
Titanium	ppm	0	O <1	0	
Silver	ppm	() <1	<1	<1	
Manganese	ppm	 <1		4	
Vanadium	ppm	0	0	0	

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ADDITIVES								
Calcium	ppm	879	O 1093	O 1315				
Magnesium	ppm	1099	969	964				
Zinc	ppm	1150	O 1170	858				
Phosphorus	ppm	939	O 1056	707				
Barium	ppm	() <1	O 2	16				
Boron	ppm	16	5	6 7				



LIEBHERR CANADA LTD.

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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.

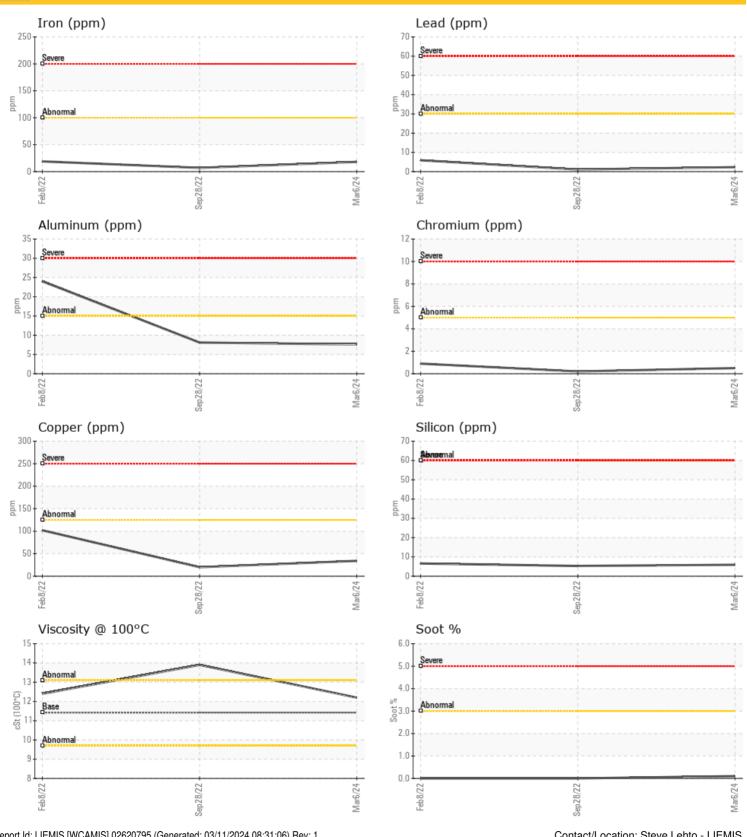
Depot:LIEMISUnique No:5737905Signed:Kevin MarsonReport Date:11 Mar 2024

Contact/Location: Steve Lehto - LIEMIS





GRAPHS



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