CONSTRUCTION EQUIPMENT

78990 - Diesel Engine

Sample No:

LH0277725

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	
Sample Date	
Machine Hours	
Oil Hours	
Oil Changed	
Sample Status	

nine nouis	1135	
lours	0	
Changed	N/A	
ple Status	NORMAL	

0 14.1

67

LH0277725

27 Nov 2023 1102

OIL CONDITION Visc @ 100°C

cSt Oxidation (PA) %

CONTAMINATION

Water	%	NEG	 	
Soot %	%	0 1.3	 	
Nitration (PA)	%	90	 	
Sulfation (PA)	%	59	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	07	 	
Sodium	ppm	02	 	
Potassium	ppm	0	 	

WEAR METALS

Iron	ppm	0 31	 	
Copper	ppm	0 4	 	
Lead	ppm	01	 	
Tin	ppm	0 0	 	
Aluminum	ppm	23	 	
Chromium	ppm	02	 	
Molybdenum	ppm	5 9	 	
Nickel	ppm	<mark>()</mark> <1	 	
Titanium	ppm	0 🔘	 	
Silver	ppm	<mark>()</mark> <1	 	
Manganese	ppm	0 🔘	 	
Vanadium	ppm	0	 	

IVES				
ppm	1016			
ppm	964			
ppm	0 1179			
ppm	993			
ppm	<mark>○</mark> <1			
ppm	2			
	ppm ppm ppm ppm ppm	ppm () 1016 ppm () 964 ppm () 1179 ppm () 993 ppm () <1	ppm 1016 ppm 964 ppm 1179 ppm 993 ppm	ppm 1016 ppm 964 ppm 1179 ppm 993 ppm <1





LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Joseph Rodgers joseph.rodgers@liebherr.com T: (905)319-9222 F: (905)319-6622

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample.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.

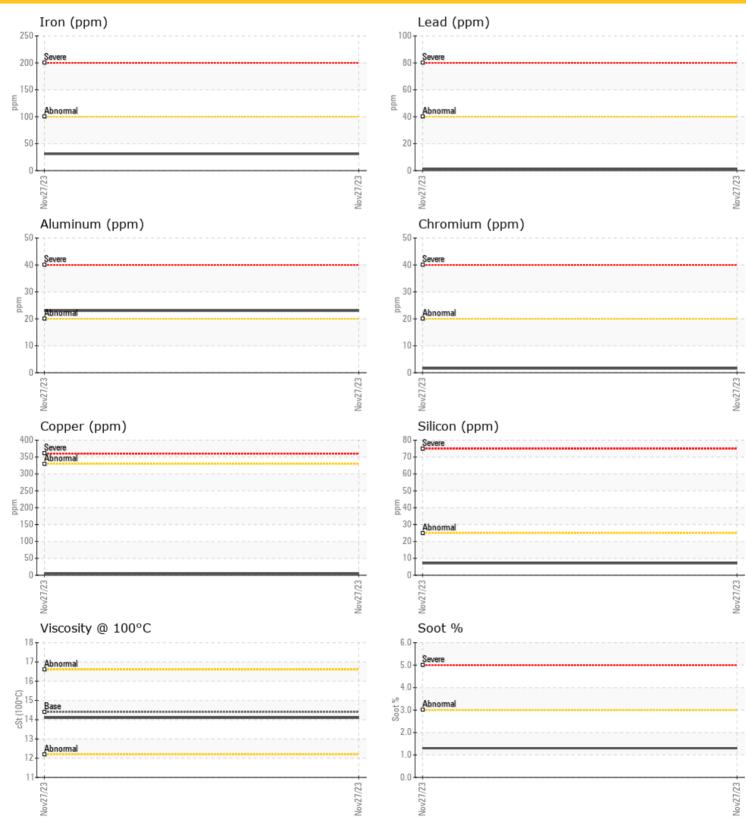
Depot: LIEMIS Unique No: 5684491 Kevin Marson Signed: Report Date: 29 Nov 2023





GRAPHS

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Contact/Location: Joseph Rodgers - LIEMIS