CONSTRUCTION EQUIPMENT

[TECHNICORE FOUNDATIONS [594211]] 116009 - Diesel Engine

Sample No: LH0278626

Oil Type: PETRO CANADA SUPREME 5W30

SAMPLE INFORMATION						
Sample Number	LH0278626	LH0239396	LH0097451			
Sample Date	15 Jan 2024	26 Sep 2022	24 Nov 2015			
Machine Hours	7535	5880	1024			
Oil Hours	0	0	0			
Oil Changed	N/A	Changed	Changed			
Sample Status	NORMAL	NORMAL	NORMAL			
OIL CONDITION						
Visc @ 100°C cSt	11.7	14.5	0 11.3			
Oxidation (PA) %	69	70	56			

CONTAMINATION					
Water	%	NEG	NEG	NEG	
Soot %	%	0	0	0 0	
Nitration (PA)	%	62	64	0 47	
Sulfation (PA)	%	54	60	53	
Glycol	%	NEG	0.0	0.0	
Fuel	%	<1.0	<1.0	<1.0	
Silicon	ppm	◯ 5	3	0 14	
Sodium	ppm	◯ 5	○ 3	25	
Potassium	ppm	○ <1	07	09	

WEA	R META	LS			
Iron	ppm	3	0 4	5	
Copper	ppm	◯ <1	0 2	0 9	
Lead	ppm	0 🔘	◯ <1	0 1	
Tin	ppm	0 🔘	0	0 (
Aluminum	ppm	02	2	0 4	
Chromium	ppm	0 🔘	0	0 (
Molybdenum	ppm	58	<1	◯ <1	
Nickel	ppm	0 🔘	0	0 (
Titanium	ppm	0	0	0	
Silver	ppm	0 ()	0	0	
Manganese	ppm	0 (◯ <1	◯ <1	
Vanadium	ppm	0	0	0	

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ppm	0 841	2252	2509	
ppm	0 1073	12	0 10	
ppm	0 1158	0 1152	0 1164	
ppm	0 1009	○ 991	984	
ppm	0	0	01	
ppm	0 37	0 108	2	
	ppm ppm ppm ppm ppm	ppm 841 ppm 1073 ppm 1158 ppm 1009 ppm 0	ppm 841 2252 ppm 1073 12 ppm 1158 1152 ppm 1009 991 ppm 0 0	ppm 841 2252 2509 ppm 1073 12 10 ppm 1158 1152 1164 ppm 1009 991 984 ppm 0 0 0 1

Depot:LIEMISUnique No:5711585Signed:Wes DavisReport Date:23 Jan 2024

LIEBHERR CANADA LTD. 1015 SUTTON DRIVE

BURLINGTON, ON CA L7L 5Z8 Contact: Steve Lehto steve.lehto@liebherr.com T: (905)319-9222 F: (905)319-6617

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.

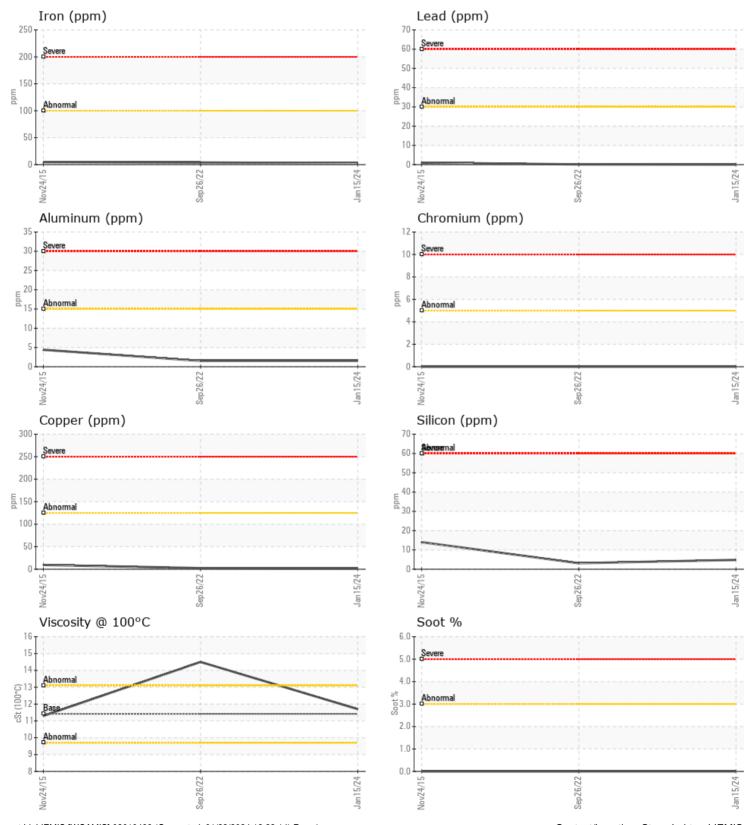






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Contact/Location: Steve Lehto - LIEMIS