CONSTRUCTION EQUIPMENT

PETRO CANADA 10W40

LH0173445

20 Jul 2023 4002

Changed NORMAL

0 12.6

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[WILLIS KERR] LIEBHERR L586 59553 - Diesel Engine

Sample No: LH0173445

Oil Type:

SAMPLE INFORMATION

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

		NDITIO
0		
c @	100°C	cSt

%

Visc @ 100°C Oxidation (PA)

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CONTAMINATION

Soot %	%	0	 	
Nitration (PA)	%	74	 	
Sulfation (PA)	%	56	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	05	 	
Sodium	ppm	2	 	
Potassium	ppm	03	 	

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WEAR METALS

Iron	ppm	6	 	
Copper	ppm	0 4	 	
Lead	ppm	○ <1	 	
Tin	ppm	<mark>○</mark> <1	 	
Aluminum	ppm	02	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	58	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	<mark>○</mark> <1	 	
Manganese	ppm	○ <1	 	
Vanadium	ppm	0	 	

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	ITIVES			
Calcium	ppm	0 1074	 	
Magnesium	ppm	1001	 	
Zinc	ppm	0 1203	 	
Phosphorus	ppm	0 1044	 	
Barium	ppm	○ <1	 	
Boron	ppm	○ <1	 	



LIEBHERR CANADA LTD.

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

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.

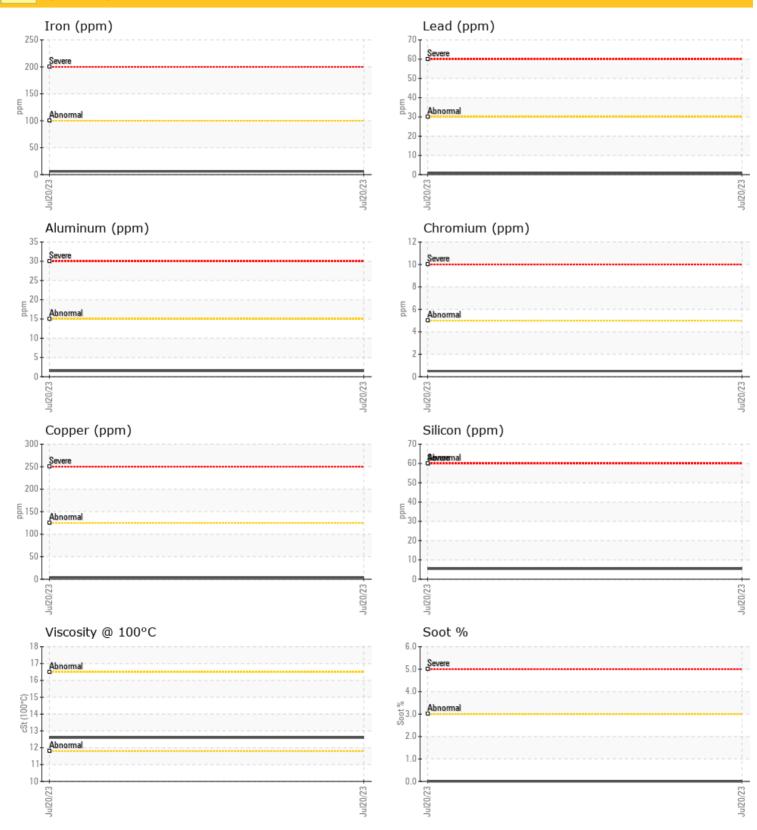
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GRAPHS

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Contact/Location: Joseph Gillis - LIEMIS