



9912-0265 - Diesel Engine

Sample No: LH0274813

Potassium

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ppm

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Oil Type: CHEVRON DELO LE 5W40

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	LE INFOR	MATION		
Sample Number		LH0274813	 	
Sample Date		01 Dec 2023	 	
Machine Hours		29341	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CO	NDITION			
Visc @ 100°C	cSt	0 13.3	 	
Base Number (BN)	mg KOH/g	9.6	 	
Oxidation (PA)	%	63	 	
- **				
CONT	AMINATI	ON		
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	53	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	10	 	
Sodium	ppm	011	 	

WE/	R META	LS		
Iron	ppm	07	 	
Copper	ppm	0 2	 	
Lead	ppm	0	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	0 2	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	5 6	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0 ()	 	
Manganese	ppm	 <1	 	
Vanadium	ppm	0	 	

ADDITIVES								
Calcium	ppm	0 895						
Magnesium	ppm	0 1039						
Zinc	ppm	0 1293						
Phosphorus	ppm	0 1054						
Barium	ppm	09						
Boron	ppm	50						

LIEBHERR CANADA LTD. - REMAN

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8 Contact: Morteza Mahmoudi morteza.mahmoudi@liebherr.com T: (905)319-9222 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:REMANUnique No:10778928Signed:Wes DavisReport Date:09 Dec 2023

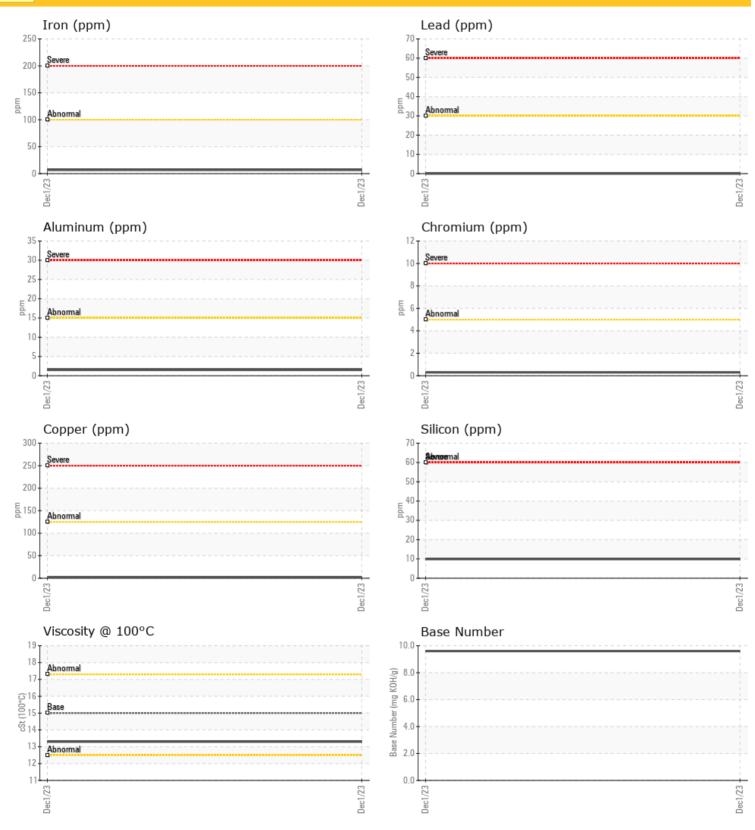
Contact/Location: Morteza Mahmoudi - REMAN

CONSTRUCTION EQUIPMENT



GRAPHS

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Report Id: REMAN [WUSCAR] 06029137 (Generated: 12/09/2023 11:55:21) Rev: 1

Contact/Location: Morteza Mahmoudi - REMAN