C19.03.90076 - DIESEL ENGINE

Sample No: LH0291273
Oil Type: {unknown}

Barium

ppm

ppm

18

Report Id: REMAN [WCAMIS] 02635587 (Generated: 05/16/2024 11:51:40) Rev: 1

SAMPLE I	NFORM	ATION		
		LH0291273		
Sample Number				
Sample Date Machine Hours		14 May 2024 7138	 	
Oil Hours		0		
Oil Changed		N/A	 	
Sample Status		ABNORMAL	 	
Sample Status		ABNORWAL	 	
OIL CONE	DITION			
Visc @ 100°C	cSt	16.7	 	
Oxidation (PA)	%	85	 	
CONITANA		1		
CONTAM	INATION	N .		
Water	%	△ 0.575	 	
Soot %	%	■ 0.5	 	
Nitration (PA)	%	118	 	
Sulfation (PA)	%	59	 	
Glycol	%	■ 0.0	 	
Fuel	%	<1.0	 	
Silicon	ppm	10	 	
Sodium	ppm	■ 5	 	
Potassium	ppm	2	 	
WEAR ME	TALS			
Iron	ppm	■ 31	 	
Copper	ppm	20	 	
Lead	ppm	■<1	 	
Tin	ppm	■ 0	 	
Aluminum	ppm	1 5	 	
Chromium	ppm	□ <1	 	
Molybdenum	ppm	61	 	
Nickel	ppm		 	
Titanium	ppm	<1	 	
Silver	ppm	■0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	
ADDITIVE	S			
Calcium	ppm	■830	 	
Magnesium	ppm	1139	 	
Zinc	ppm	1233	 	
Phosphorus	ppm	1048	 	
	PPIII			

LIEBHERR CANADA LTD. - REMAN

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Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a moderate concentration of water present in the oil. Test for glycol is negative. The oil is no longer serviceable due to the presence of contaminants.

Depot:REMANUnique No:5776740Signed:Kevin MarsonReport Date:16 May 2024

Contact/Location: Morteza Mahmoudi - REMAN

