LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R954 9544 - Diesel Engine

Sample No: LH0260214

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ADDITIVES

Oil Type: DIESEL ENGINE OIL SAE 10W30

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U SAM	PLE INFO	ORMATION		
Sample Number		LH0260214	LH0199523	
Sample Date		03 Jun 2023	07 Apr 2023	
Machine Hours		0	0	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	NORMAL	
	ONDITION			
Visc @ 100°C	cSt	11.7	12.6	
Oxidation (PA)	%	67	84	
	TAMIN/			
Soot %	%	0.5	0.5	
Nitration (PA)	%	77	99	
Sulfation (PA)	%	61	63	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	5	0 8	
Sodium	ppm	11	○ 32	
Potassium	ppm	○ <1	O 1	
	R META		0.00	
Iron	ppm	19	O 36	
Copper	ppm	30	O 76	
Lead 	ppm	3	0 7	
Tin	ppm	01	3	
Aluminum	ppm	01	0 2	
Chromium	ppm	0 <1	O <1	
Molybdenum	ppm	60	O 51	
Nickel	ppm	○ <1	O <1	
Titanium	ppm	0 0	O <1	
Silver	ppm	1	0 1	

02

1802

965

1273

1153

57

60

Gerdau - Mandak Metal Processors Ltd.,

1 Railway St., P.O. Box 334

Selkirk, MB CA R1A 2B3

Contact: Rolyn De La Cruz rolyn.delacruz@gerdau.com

T:

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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.

Depot:MANSELUnique No:5631798Signed:Wes DavisReport Date:28 Aug 2023

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1213

1026

1252

1076

11

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LIEBHERR







GRAPHS

