LIEBHERR

CONSTRUCTION EQUIPMENT

[KMC MINING] 25121 - Diesel Engine

Sample No: LH0265077

Oil Type: PETRO CANADA DURON UHP 5W30

		DRMATION	1.110005000	
Sample Number		LH0265077	LH0265026	
Sample Date		12 Dec 2023	20 Nov 2023	
Machine Hours		1646	1273	
Oil Hours		0	0	
Dil Changed		N/A	N/A	
Sample Status		NORMAL	SEVERE	
OILO	ONDITIO	DN		
/isc @ 100°C	cSt	11.7	O 11.8	
Oxidation (PA)	%	66	65	
CON1	TAMINA %	NEG	NEG	
Soot %	%	0 0	0 0	
Nitration (PA)	%	54	53	
Sulfation (PA)	%	54	55	
Glycol	%	0.0	0.157	
- Fuel	%	<1.0	0.9	
Silicon	ppm	6	O 10	
Sodium	ppm	33	<u>0</u> 118	
Potassium	ppm	0 <1	O 5	
(O) WEA	R META	16		
ron -	ppm	3	O 3	
Copper	ppm	0 4	O 18	
_ead 	ppm	0 <1	0 <1	
Γin	ppm	0 0	0	
Aluminum	ppm	0 1	0 <1	
Chromium	ppm	0 0	0 0	
Molybdenum	ppm	6 1	5 9	
Nickel	ppm	0	0 <1	
Γitanium	ppm	0	0	
Silver	ppm	0 <1	0 <1	
Manganese	ppm	0	0	
/anadium	ppm	0	0	

0 1020

1180

0 1031

<1</p>

Liebherr-Canada Ltd.

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T: (780)791-2967

F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Test for glycol is negative. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:LIEFTMUnique No:5696026Signed:Kevin MarsonReport Date:18 Dec 2023

1120

1169

994

<1</p>

50

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm

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GRAPHS

