CONSTRUCTION EQUIPMENT



Sample No: LH0290546

Titanium

Silver

Oil Type: **GEAR OIL SAE 80**

Sample Information								
46 LH LH	LH0182473							
024 01 Jun 2021 05 May 2021	11 Mar 2021							
9702 0	3062							
0 0	0							
N/A N/A	Not Changd							
NORMAL NORMAL	NORMAL							
024 01 Jun 2021 05 May 2021 9702 0 0 0 I N/A N/A	11 Mar 2021 3062 0 Not Changd							



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F:

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Sample Status		ABNORMAL	NORMAL	NORMAL	NORMAL
Oil Co	ndition				
Visc @ 40°C	cSt	<u> </u>	109	77.1	79.5
Conta	ımination				
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	O 2	4	4
Sodium	ppm	() <1	O <1	7	O 7
Potassium	ppm	0	O <1	O <1	O 0
Wear	Metals				
Iron	ppm	10	6	○ 39	O 23
Copper	ppm	2	O 2	8	5
Lead	ppm	0	O <1	O <1	O <1
Tin	ppm	0	O <1	O 0	O 0
Aluminum	ppm	1	O <1	O <1	O <1
Chromium	ppm	0	O 0	O <1	O <1
Molybdenum	ppm	() <1	O <1	O <1	O 0
Nickel	ppm	() <1	O <1	O <1	O <1

Diagnosis

being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 50 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Confirm the source of the lubricant

Manganese	ppm	○ <1	O <1	() <1	○ <1		
Vanadium	ppm	0	<1	0	0		
0							
Additives							
Calcium	ppm	3446	O 1		O 2		
Magnesium	ppm	16	O 2	7	O <1		
Zinc	ppm	<u>0</u> 1031	4	0 8	4		
Phosphorus	ppm	859	1418	O 1651	O 1614		
Barium	ppm	() <1	O 0		5		
Boron	ppm	5	287	8	6		

0

CAN101VAN Depot: Unique No: 5803090 Signed: Kevin Marson **Report Date:** 05 Jul 2024

0

ppm

ppm

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Graphs

