

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 043059-1007 - Splitter Box

Sample No: LH0260018

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0260018	LH0195150	LH0081466	LH0057875
Sample Date	13 Sep 2023	23 Sep 2021	20 Nov 2014	09 Apr 2012
Machine Hours	17779	0	9170	7411
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Not Changd	N/A
Sample Status	ABNORMAL	ABNORMAL	NORMAL	ABNORMAL

American Iron and Metal

60 SIMMONDS DRIVE

DARTMOUTH, NS

CA B3B 1P6

Contact: Pierre Paille



#### OIL CONDITION

Visc @ 40°C	cSt	63.1	59.8	116	69.7
Acid Number (AN)	mg KOH/g	---	---	---	1.20

T: (902)468-9664

F: (902)468-9658



#### CONTAMINATION

Silicon	ppm	2	3	4	4
Sodium	ppm	1	1	5	1
Potassium	ppm	1	5	8	<1

#### Diagnosis

Confirm the source of the lubricant 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 80 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.



#### WEAR METALS

Iron	ppm	27	39	35	19
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	2	<1	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	108	70	73	206
Magnesium	ppm	34	5	3	2
Zinc	ppm	342	301	115	235
Phosphorus	ppm	898	420	1016	763
Barium	ppm	<1	<1	3	0
Boron	ppm	109	10	74	139

Depot: AIMDAR

Unique No: 5644733

Signed: Bill Quesnel

Report Date: 20 Sep 2023



### GRAPHS

