



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**SOLETANCHE [604374]**  
Machine Id  
**LIEBHERR HS8100 186028**  
Component  
**Splitter Box**  
Fluid  
**PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0286952</b>	LH0239609	LH0192763
Sample Date		Client Info		<b>06 Apr 2024</b>	12 Sep 2022	09 Feb 2022
Machine Age	hrs	Client Info		<b>2891</b>	983	541
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>24</b>	27	45
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>2</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	0	1
Copper	ppm	ASTM D5185(m)	>20	<b>3</b>	5	3
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

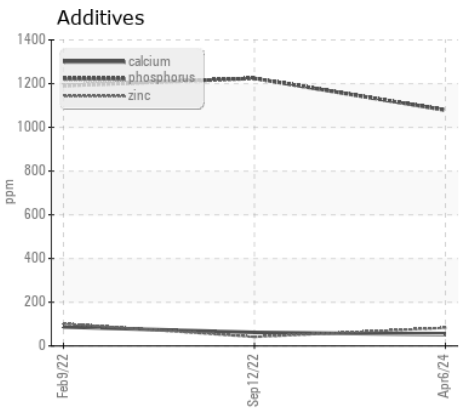
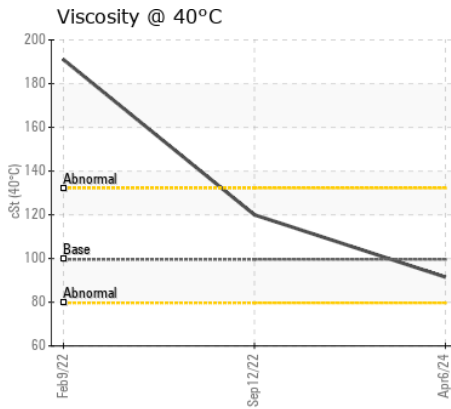
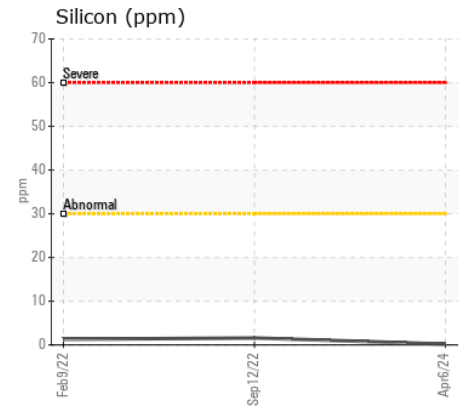
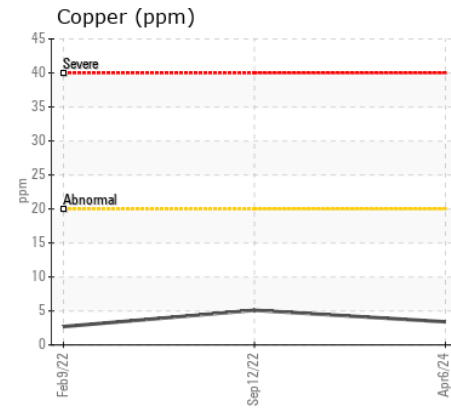
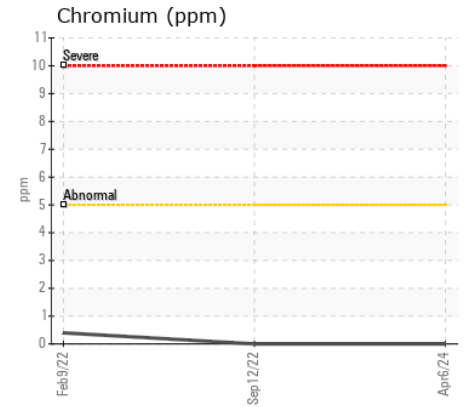
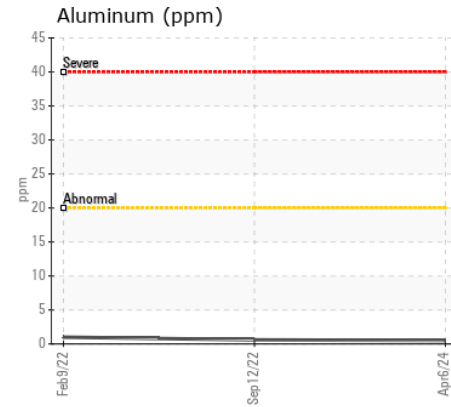
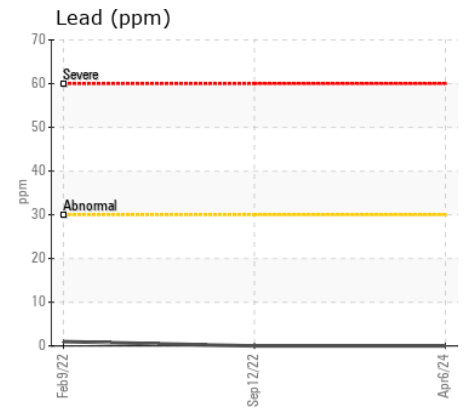
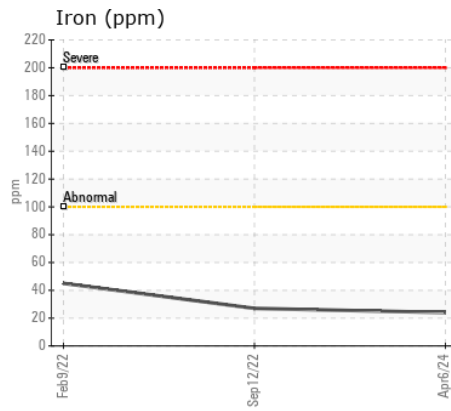
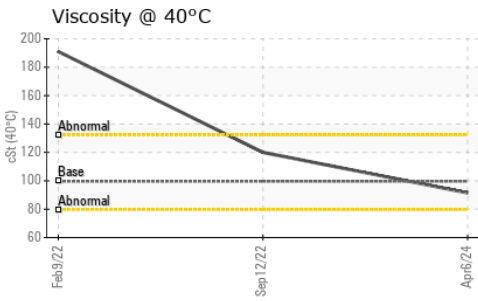
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	2	1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>25	<b>1</b>	3	4
Boron	ppm	ASTM D5185(m)	328	<b>235</b>	193	2
Barium	ppm	ASTM D5185(m)	1	<b>2</b>	2	8
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	3
Magnesium	ppm	ASTM D5185(m)	1	<b>3</b>	3	1
Calcium	ppm	ASTM D5185(m)	7	<b>52</b>	62	87
Phosphorus	ppm	ASTM D5185(m)	1145	<b>1079</b>	1224	1191
Zinc	ppm	ASTM D5185(m)	3	<b>83</b>	41	102
Sulfur	ppm	ASTM D5185(m)	17909	<b>18318</b>	21603	24716
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	<b>91.5</b>	120	191



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0286952  
**Lab Number** : 02627963  
**Unique Number** : 5761095  
**Test Package** : MOB 1  
**Received** : 10 Apr 2024  
**Tested** : 10 Apr 2024  
**Diagnosed** : 10 Apr 2024 - Wes Davis

**SOLETANCHE BACHY CANADA**  
 3 STUDEBAKER PLACE  
 HAMILTON, ON  
 CA L8L 0C8  
 Contact: Mikael Christensen  
 mikael.christensen@sb-canada.com  
 T: (905)528-7924  
 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.