

Current

LH0280949

19 Mar 2024

Changed

ABNORMAL

2105

0

0

N/A

History1

25 Sep 2023

Changed

NORMAL

959

0

0

N/A

History2

31 Jul 2023

Changed

NORMAL

598

0

0

N/A

LH0250586 LH0260493



## Machine Id LIEBHERR R922 56035

Swing Drive

## PETRO CANADA TRAXON SYNTHETIC 75W90 (6 LTR)

Test

Sample Number

Sample Date

Machine Age

Oil Age

Filter Age

Oil Changed

Filter Changed

Sample Status

UOM

hrs

hrs

hrs

Method

Client Info

**Client Info** 

Client Info

Client Info

Client Info

**Client Info** 

Client Info

Limit/Abn

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

W	/E	Α	R
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Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

## CONTAMINATION

Lithium (Li) level abnormal at 17ppm., indicates possible grease contamination. There is no indication of any contamination in the oil.

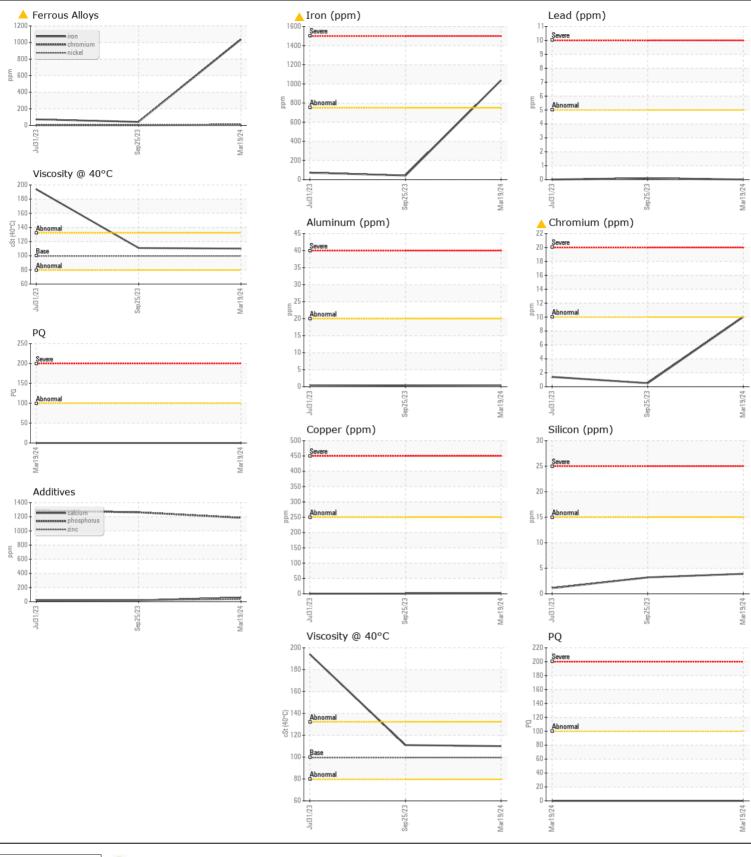
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>750	1037	42	72
Chromium	ppm	ASTM D5185(m)	>10	10	<1	1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>5	0	<1	0
Copper	ppm	ASTM D5185(m)	>250	1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon		ASTM D5185(m)	>15	 4	3	1
Potassium	ppm	ASTM D5185(m)	>20	4 <1	0	<1
Water	ppm	WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		1	2	4
Boron	ppm	ASTM D5185(m)	328	158	269	2
Barium	ppm	ASTM D5185(m)	1	0	2	6
Molybdenum	ppm	ASTM D5185(m)		0	0	<1
Manganese	ppm	ASTM D5185(m)		6	0	1
Magnesium	ppm	ASTM D5185(m)	1	2	4	2
Calcium	ppm	ASTM D5185(m)	7	58	20	17
Phosphorus	ppm	ASTM D5185(m)	1145	1186	1262	1288
Zinc	ppm	ASTM D5185(m)	3	31	20	18
Sulfur	ppm	ASTM D5185(m)	17909	19817	21543	24318
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	110	111	194
				atiana Car		

## **FLUID CONDITION**

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Report Id: MITRIC [WCAMIS] 02625015 (Generated: 03/27/2024 18:18:05) Rev: 1

Contact/Location: Service Manager - MITRIC



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 MITCHELL METAL RECYCLING CALA Sample No. Received : 27 Mar 2024 12100 MITCHELL RD : LH0280949 Lab Number : 02625015 Tested : 27 Mar 2024 RICHMOND, BC ISO 17025:2017 Accredited Unique Number : 5750134 : 27 Mar 2024 - Kevin Marson CA V6V 1MB Diagnosed Laboratory Test Package : MOB 1 (Additional Tests: PQ) Contact: Service Manager To discuss this sample report, contact Customer Service at 1-800-268-2131. T: (778)235-0918 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: Validity of results and interpretation are based on the sample and information as supplied.

Report Id: MITRIC [WCAMIS] 02625015 (Generated: 03/27/2024 18:18:09) Rev: 1

Contact/Location: Service Manager - MITRIC Page 2 of 2