



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
MACK 6444
Component
Transmission (Auto)
Fluid
BP AUTRAN SYN 295 (35 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0083003	PC0061004	AP106524
Sample Date		Client Info		28 Feb 2024	29 Aug 2022	12 Feb 2018
Machine Age	hrs	Client Info		19440	15734	5157
Oil Age	hrs	Client Info		3706	5232	2230
Filter Age	hrs	Client Info		3706	5232	2230
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>300	86	89	77
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>3	0	<1	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>70	42	46	32
Lead	ppm	ASTM D5185(m)	>85	8	12	31
Copper	ppm	ASTM D5185(m)	>90	21	19	9
Tin	ppm	ASTM D5185(m)	>10	4	4	2
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

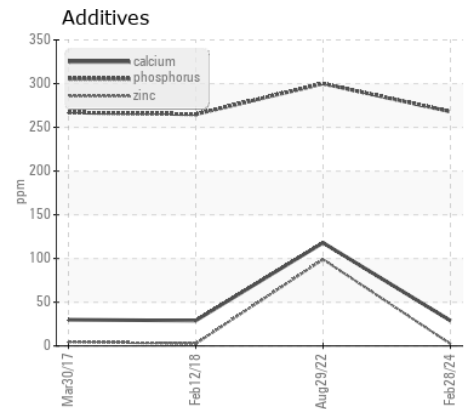
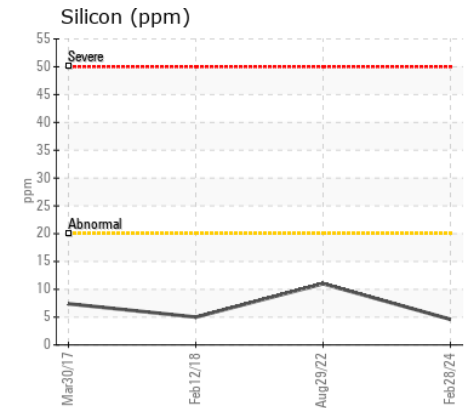
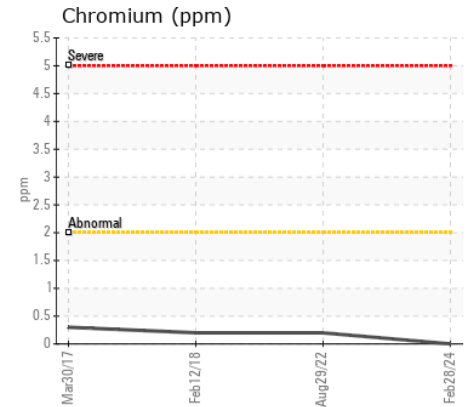
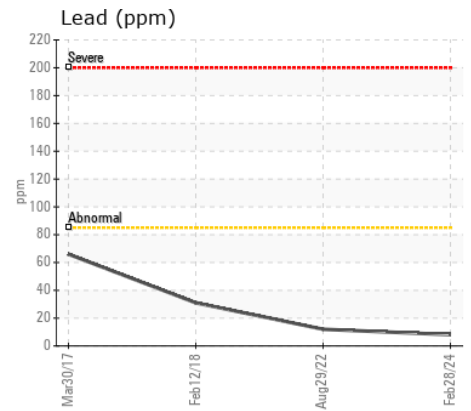
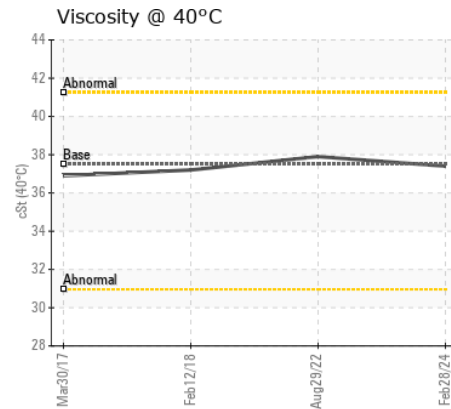
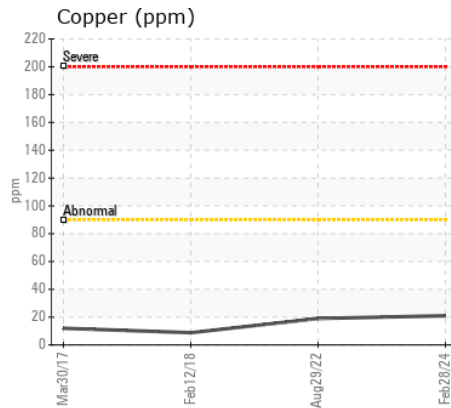
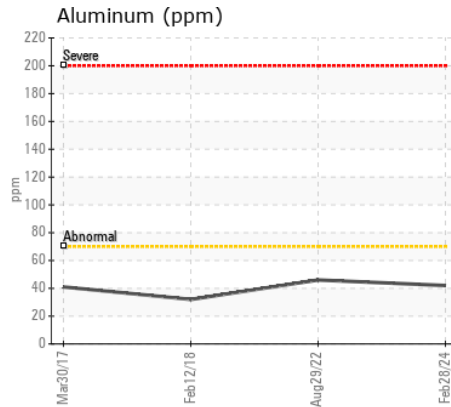
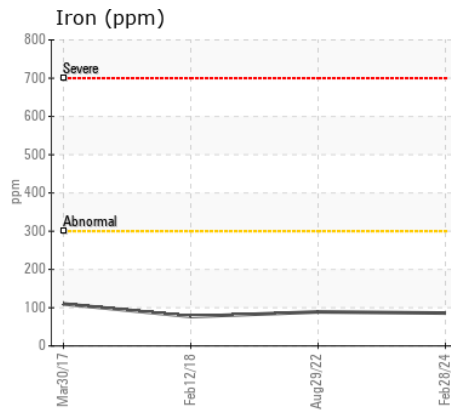
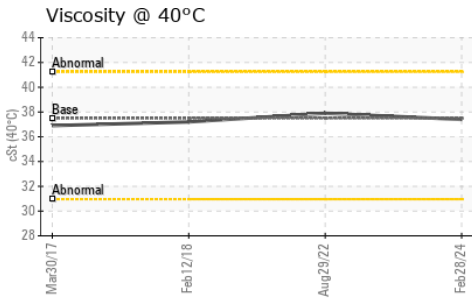
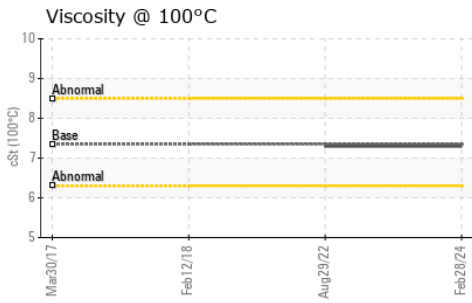
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	5	11	5
Potassium	ppm	ASTM D5185(m)	>20	<1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	NONE
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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	11	6
Boron	ppm	ASTM D5185(m)		117	69	122
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	5	0
Manganese	ppm	ASTM D5185(m)		<1	1	1
Magnesium	ppm	ASTM D5185(m)		<1	76	<1
Calcium	ppm	ASTM D5185(m)		29	118	29
Phosphorus	ppm	ASTM D5185(m)		268	300	265
Zinc	ppm	ASTM D5185(m)		2	99	3
Sulfur	ppm	ASTM D5185(m)		207	381	209
Visc @ 40°C	cSt	ASTM D7279(m)	37.5	37.4	37.9	37.2
Visc @ 100°C	cSt	ASTM D7279(m)	7.35	7.3	7.3	---
Viscosity Index (VI)	Scale	ASTM D2270*	165	163	160	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083003 **Received** : 16 Apr 2024
Lab Number : 02629261 **Tested** : 17 Apr 2024
Unique Number : 5762393 **Diagnosed** : 17 Apr 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, VI)

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.

Wasteco
 235 Curtis Drive
 Guelph, ON
 CA N1K 1Y3
 Contact: Craig Albers
 calbers@wasteco.com
 T:
 F: (519)836-4531