



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
MACK 24123
Component
Diesel Engine
Fluid
PETRO CANADA DURON SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0083099	---	---
Sample Date		Client Info		27 Feb 2024	---	---
Machine Age	hrs	Client Info		25138	---	---
Oil Age	hrs	Client Info		671	---	---
Filter Age	hrs	Client Info		671	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>120	7	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

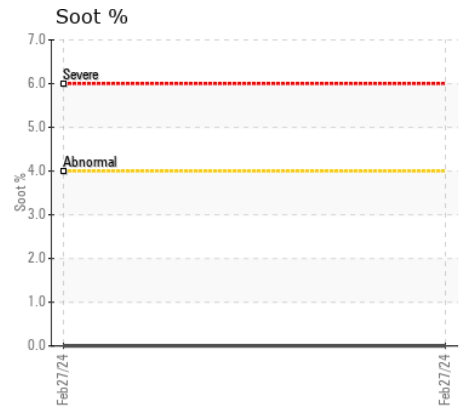
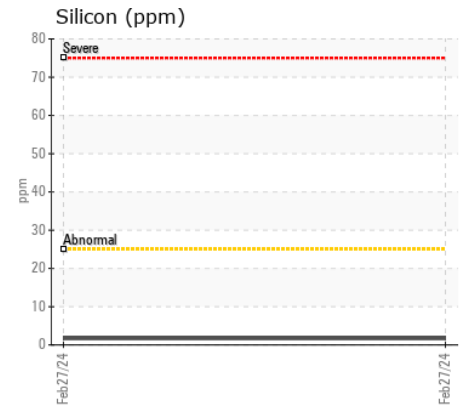
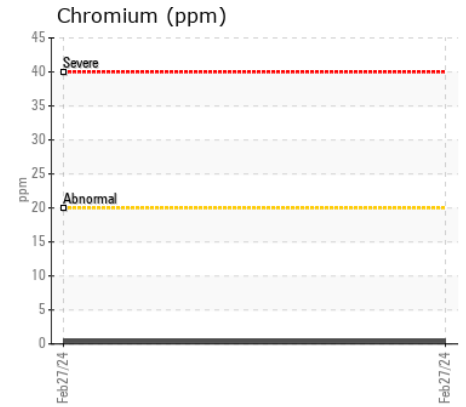
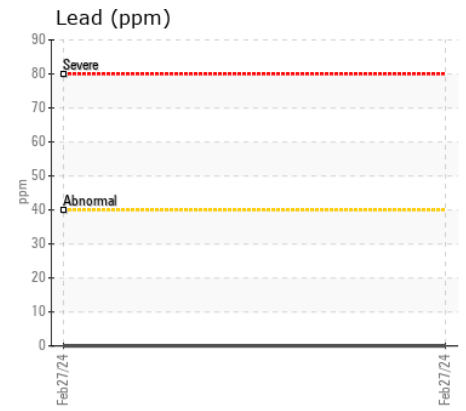
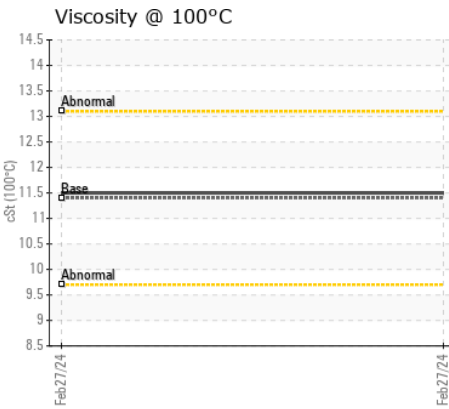
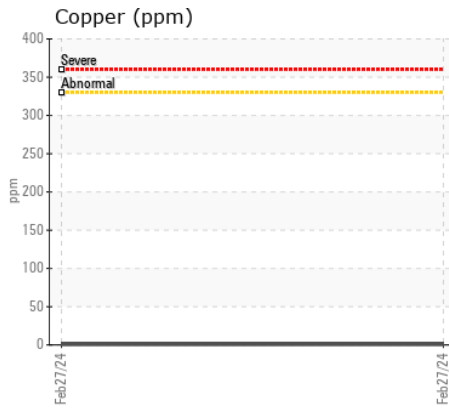
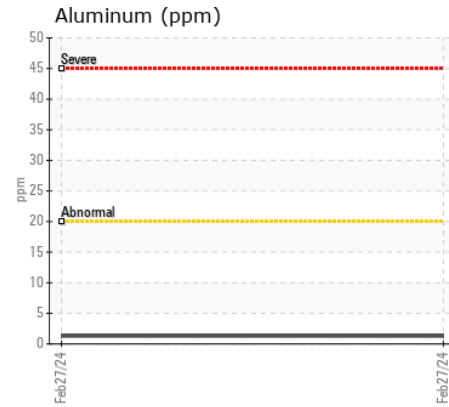
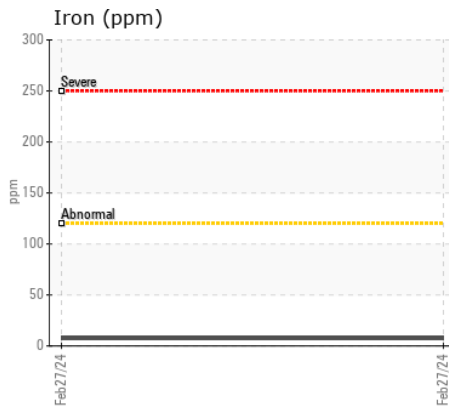
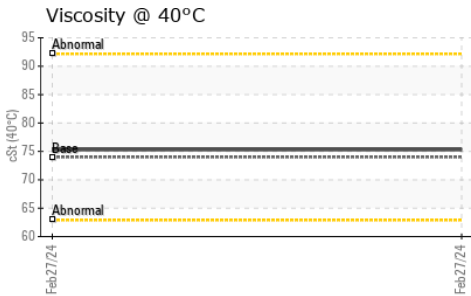
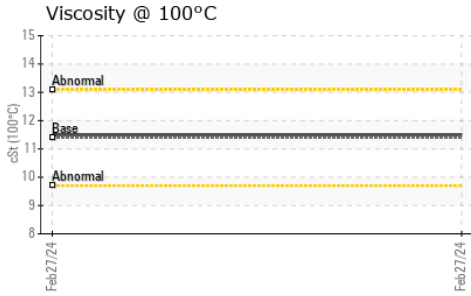
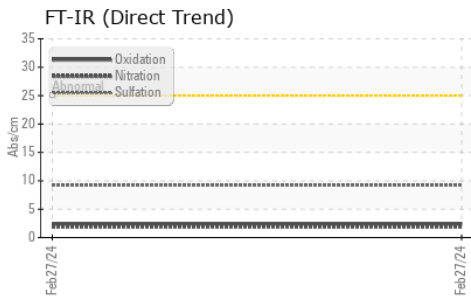
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>4	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	1.9	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	9.2	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)	1	6	---	---
Barium	ppm	ASTM D5185(m)	1	0	---	---
Molybdenum	ppm	ASTM D5185(m)	1	59	---	---
Manganese	ppm	ASTM D5185(m)	1	0	---	---
Magnesium	ppm	ASTM D5185(m)	10	958	---	---
Calcium	ppm	ASTM D5185(m)	2942	1037	---	---
Phosphorus	ppm	ASTM D5185(m)	1102	985	---	---
Zinc	ppm	ASTM D5185(m)	1351	1165	---	---
Sulfur	ppm	ASTM D5185(m)	3903	2574	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	2.4	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	75.3	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	146	145	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0083099 **Received** : 12 Apr 2024
Lab Number : 02628370 **Tested** : 12 Apr 2024
Unique Number : 5761502 **Diagnosed** : 12 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV40, 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
 147 Heartlake Rd.
 Brampton, ON
 CA L6W 3K1
 Contact: Serdar Okur
 sokur@wasteco.com
 T: (905)459-2716
 F: (905)452-9786