



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
421075 KENWORTH T800
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0110978	GFL0110987	---
Sample Date		Client Info		28 May 2024	19 Mar 2024	---
Machine Age	hrs	Client Info		24131	24094	---
Oil Age	hrs	Client Info		50	2	---
Filter Age	hrs	Client Info		50	2	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	12	45	---
Chromium	ppm	ASTM D5185m	>20	0	1	---
Nickel	ppm	ASTM D5185m	>4	0	<1	---
Titanium	ppm	ASTM D5185m		81	96	---
Silver	ppm	ASTM D5185m	>3	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	8	4	---
Lead	ppm	ASTM D5185m	>40	0	9	---
Copper	ppm	ASTM D5185m	>330	<1	2	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

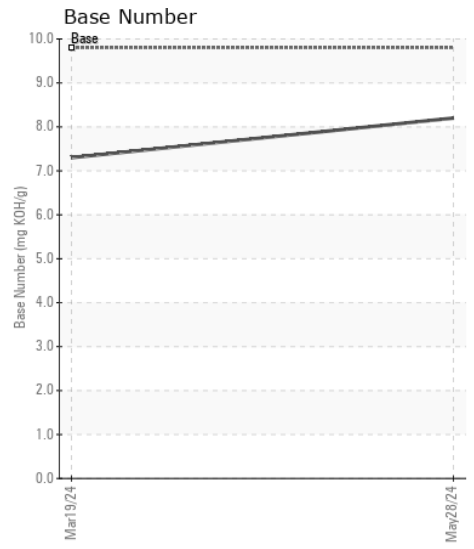
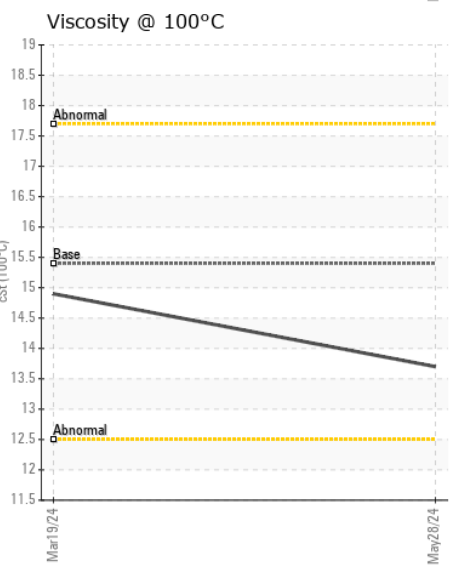
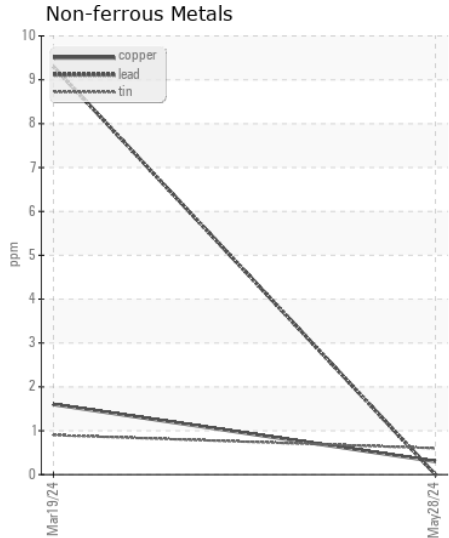
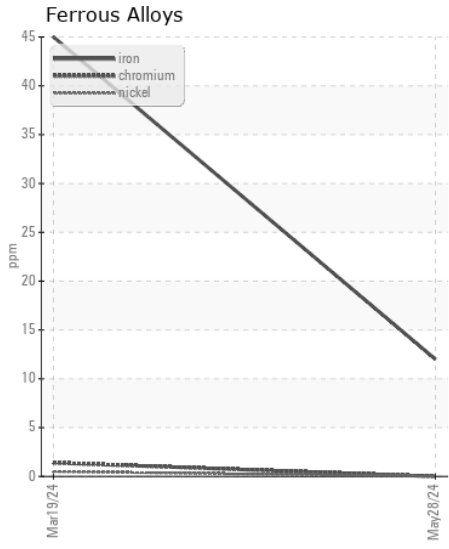
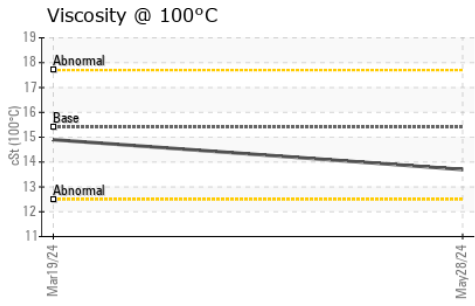
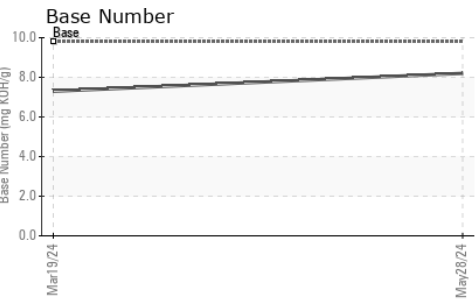
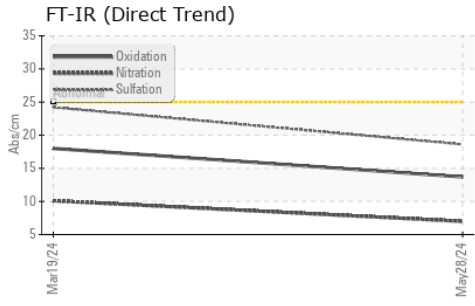
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	11	---
Potassium	ppm	ASTM D5185m	>20	2	13	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.2	1.4	---
Nitration	Abs/cm	*ASTM D7624	>20	7.0	10.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	24.2	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	3	---
Boron	ppm	ASTM D5185m	0	140	100	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	60	3	4	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	1010	413	472	---
Calcium	ppm	ASTM D5185m	1070	1583	1866	---
Phosphorus	ppm	ASTM D5185m	1150	970	1112	---
Zinc	ppm	ASTM D5185m	1270	1122	1272	---
Sulfur	ppm	ASTM D5185m	2060	4107	3890	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	18.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.2	7.3	---
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	14.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0110978 **Received** : 31 May 2024
Lab Number : 06196482 **Tested** : 03 Jun 2024
Unique Number : 11058605 **Diagnosed** : 03 Jun 2024 - Don Baldrige
Test Package : FLEET

GFL Environmental - 642B- MCM Disposal
 10450 Pease Ave
 Byron Center, MI
 US 49315
 Contact: Chad Arp
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 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)