



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
C-287
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0903679	WC0879655	---
Sample Date		Client Info		28 Mar 2024	22 Aug 2023	---
Machine Age	kms	Client Info		728724	686754	---
Oil Age	kms	Client Info		20909	10865	---
Filter Age	kms	Client Info		20909	10865	---
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 D5185(m)	>165	19	21	---
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	3	3	---
Lead	ppm	ASTM D5185(m)	>150	0	<1	---
Copper	ppm	ASTM D5185(m)	>90	<1	<1	---
Tin	ppm	ASTM D5185(m)	>5	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

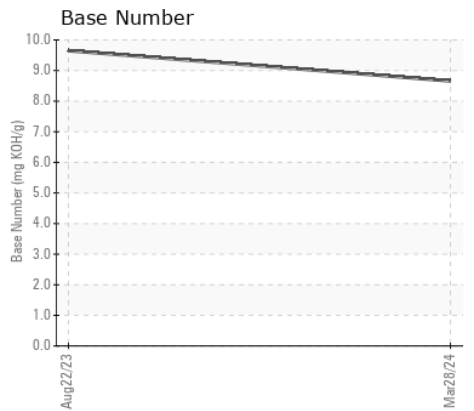
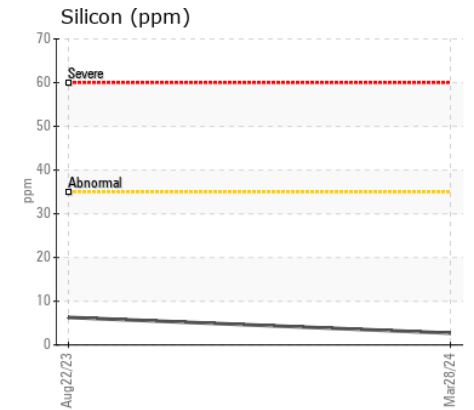
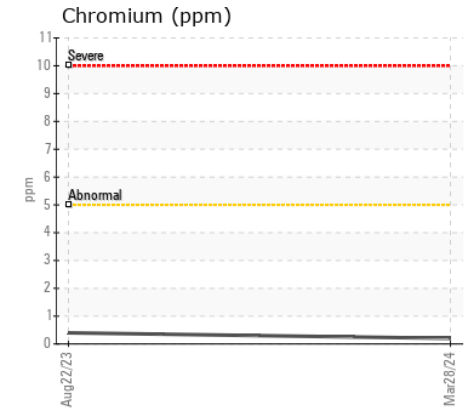
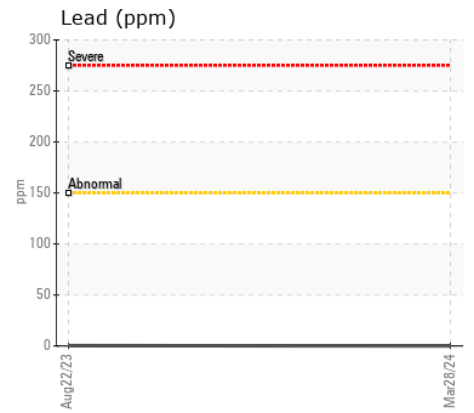
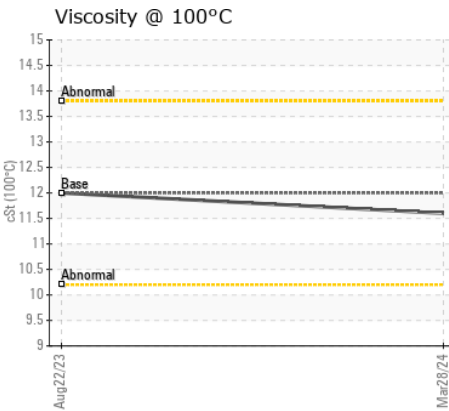
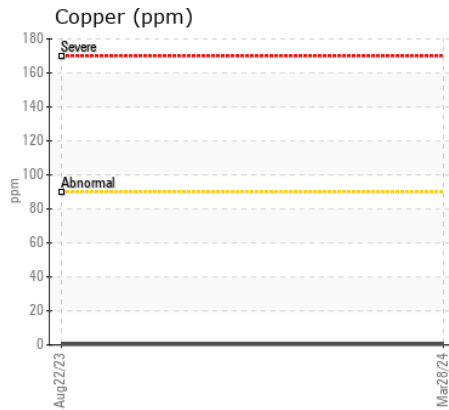
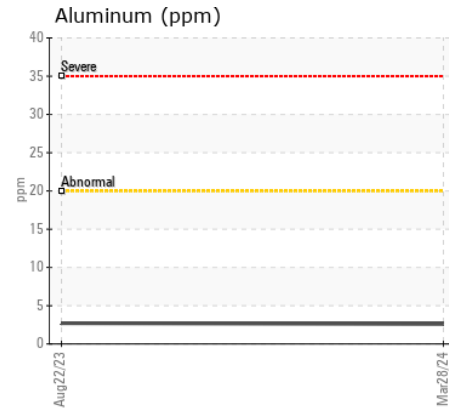
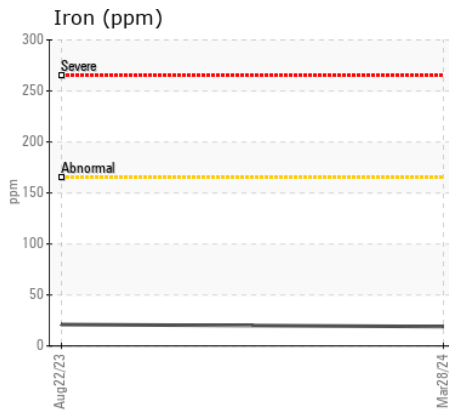
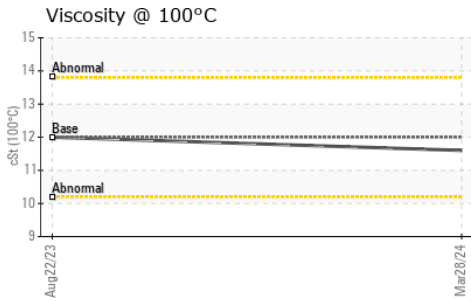
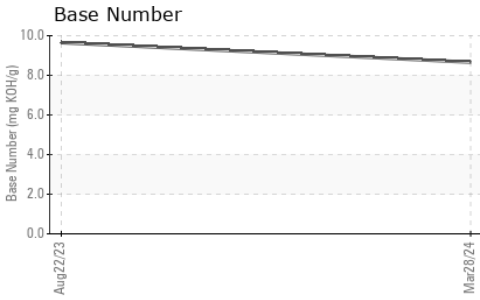
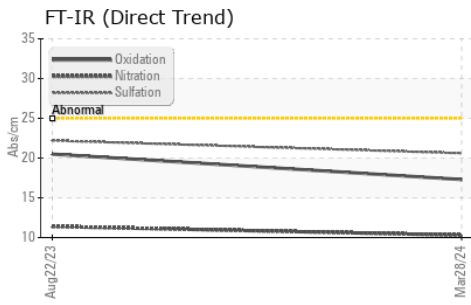
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	3	6	---
Potassium	ppm	ASTM D5185(m)	>20	2	2	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>7.5	0.4	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	10.3	11.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	22.2	---
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 D5185(m)		4	6	---
Boron	ppm	ASTM D5185(m)	2	6	24	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	63	60	---
Manganese	ppm	ASTM D5185(m)	0	<1	0	---
Magnesium	ppm	ASTM D5185(m)	950	1024	1108	---
Calcium	ppm	ASTM D5185(m)	1050	1092	919	---
Phosphorus	ppm	ASTM D5185(m)	995	1030	1044	---
Zinc	ppm	ASTM D5185(m)	1180	1232	1232	---
Sulfur	ppm	ASTM D5185(m)	2600	2557	2942	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.3	20.5	---
Base Number (BN)	mg KOH/g	ASTM D2896*		8.66	9.65	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.6	12.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0903679 **Received** : 22 Apr 2024
Lab Number : 02630451 **Tested** : 23 Apr 2024
Unique Number : 5763583 **Diagnosed** : 23 Apr 2024 - Kevin Marson
Test Package : MOB 2

Moncton - Transport Laberge
 180 Edinburg Drive, Suite 1A
 Moncton, NB
 CA E1E 2K7
 Contact: Service Manager

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.

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F: