



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id

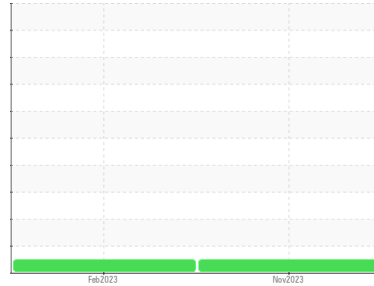
46

Component

Diesel Engine

Fluid

PETRO CANADA DURON HP 15W40 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0740586	WC0740584	---
Sample Date	Client Info		01 Nov 2023	22 Feb 2023	---
Machine Age	mls	Client Info	79999	41253	---
Oil Age	mls	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	34	89	---
Chromium	ppm	ASTM D5185m >20	<1	2	---
Nickel	ppm	ASTM D5185m >4	0	0	---
Titanium	ppm	ASTM D5185m	0	<1	---
Silver	ppm	ASTM D5185m >3	0	0	---
Aluminum	ppm	ASTM D5185m >20	15	15	---
Lead	ppm	ASTM D5185m >40	0	0	---
Copper	ppm	ASTM D5185m >330	1	5	---
Tin	ppm	ASTM D5185m >15	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	3	---
Barium	ppm	ASTM D5185m	5	<1	---
Molybdenum	ppm	ASTM D5185m	63	62	---
Manganese	ppm	ASTM D5185m	0	1	---
Magnesium	ppm	ASTM D5185m	808	879	---
Calcium	ppm	ASTM D5185m	1156	1159	---
Phosphorus	ppm	ASTM D5185m	1022	908	---
Zinc	ppm	ASTM D5185m	1220	1207	---
Sulfur	ppm	ASTM D5185m	3201	3050	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	5	11	---
Sodium	ppm	ASTM D5185m	<1	3	---
Potassium	ppm	ASTM D5185m >20	6	12	---

INFRA-RED

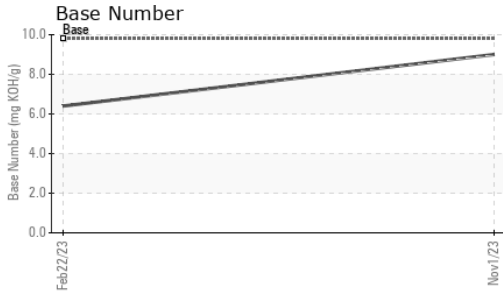
	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	0.9	2.9	---
Nitration	Abs/cm	*ASTM D7624 >20	8.2	14.8	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	20.3	29.2	---

FLUID DEGRADATION

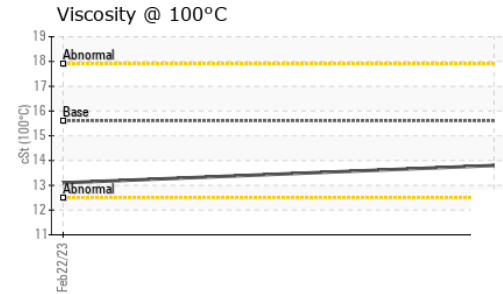
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	15.8	23.4	---
Base Number (BN)	mg KOH/g	ASTM D2896 9.8	9.0	6.4	---



OIL ANALYSIS REPORT

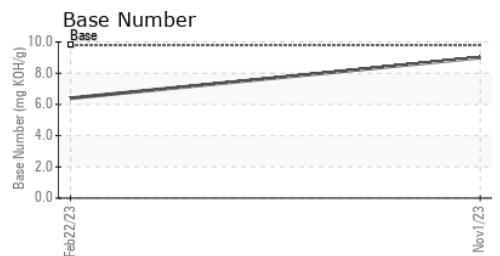
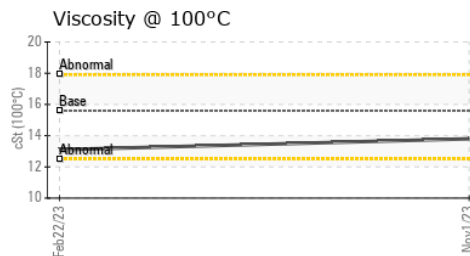
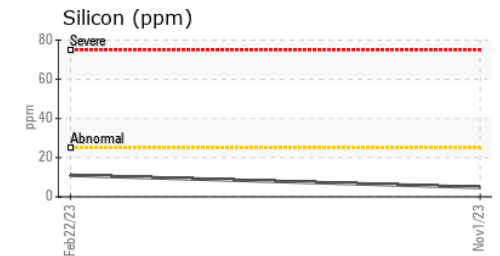
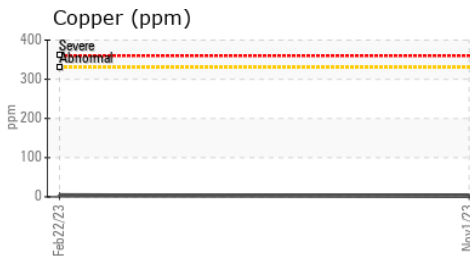
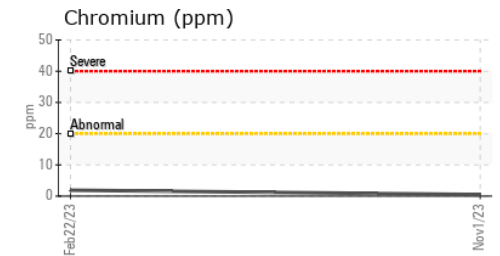
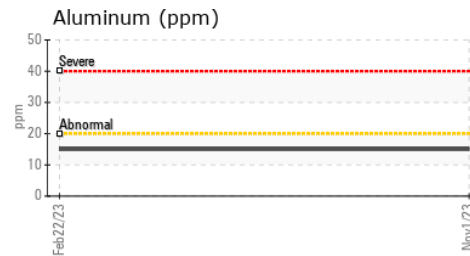
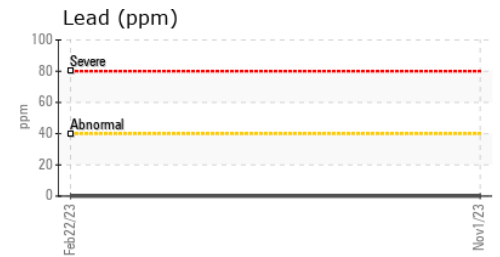
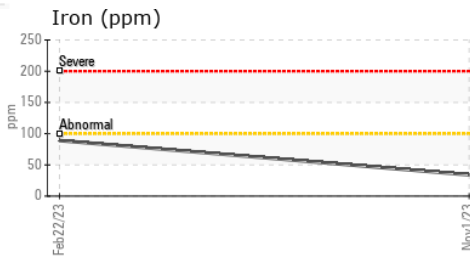


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.6	13.8	13.1	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0740586 **Received** : 07 Nov 2023
Lab Number : 06000929 **Diagnosed** : 08 Nov 2023
Unique Number : 10729289 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: TBN)

ANSON CO SCHOOL BUS GARAGE
 89 BOGGAN CUT RD
 WADESBORO, NC
 US 28135
 Contact: MATT POWELL
 powell.berkeley@anson.k12.nc.us

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)

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F: