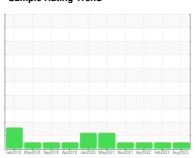


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



MCI 333U

Component

Diesel Engine

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

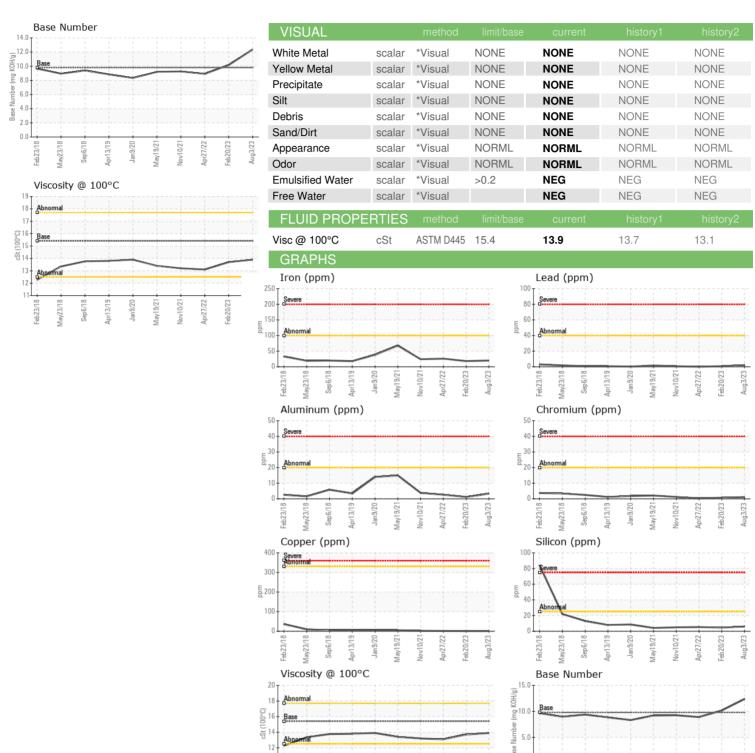
Fluid Condition

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

Feb.2018 May2018 Say.2018 Apr.2019 Jam.2020 May2021 Nov.2021 Apr.2022 Feb.2023 Aug.2023						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0102862	PCA0082321	PCA0076585
Sample Date		Client Info		03 Aug 2023	20 Feb 2023	27 Apr 2022
Machine Age	mls	Client Info		207660	195150	159402
Oil Age	mls	Client Info		12510	19388	16331
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	20	18	26
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	1	3
Lead	ppm	ASTM D5185m	>40	2	<1	0
Copper	ppm	ASTM D5185m	>330	<1	<1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	3	1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	65	57	63
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	1089	924	983
Calcium	ppm	ASTM D5185m	1070	1186	1054	1077
Phosphorus	ppm	ASTM D5185m	1150	1120	957	1013
Zinc	ppm	ASTM D5185m	1270	1399	1171	1282
Sulfur	ppm	ASTM D5185m	2060	3816	3360	3244
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	5
Sodium	ppm	ASTM D5185m		2	5	8
Potassium	ppm	ASTM D5185m	>20	0	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.8	9.4	10.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	20.4	21.7
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.1	16.7	17.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	12.36	10.17	8.91



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number

Unique Number Test Package

10

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0102862 Received : 17 Aug 2023

Nov10/21

0.0

Aug3/23

: 05927441 Diagnosed : 21 Aug 2023 : Jonathan Hester : 10607388 Diagnostician : MOB 2

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)

BROWN BUS COMPANY - UPSTATE TRANSIT

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