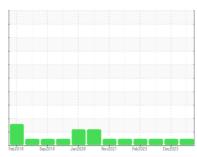


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MCI 333U

Component **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

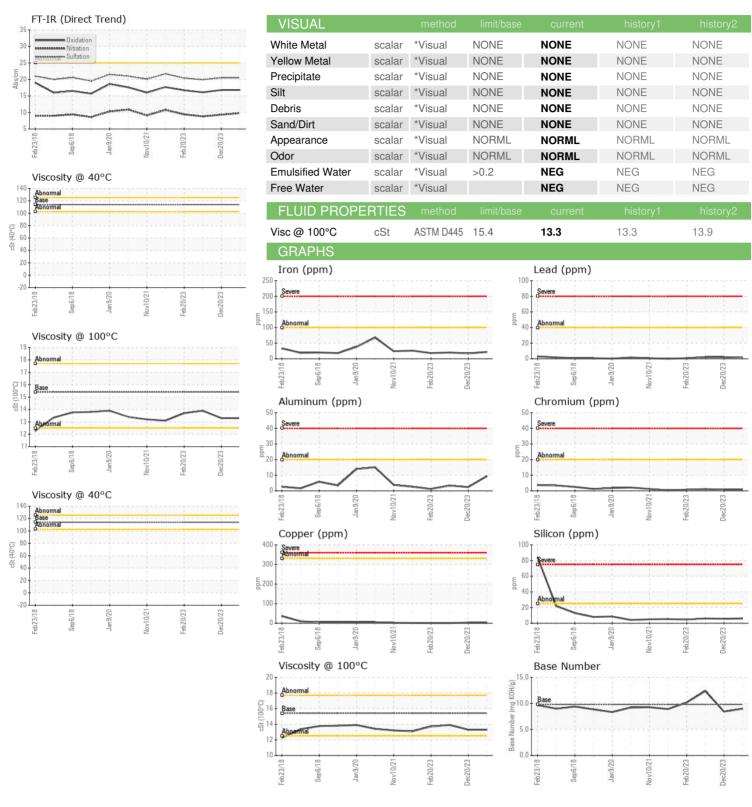
Fluid Condition

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

iAL)		Feb2018	Sep2018 Jan2020	Nov2021 Feb2023 De	c2023	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0112162	PCA0112154	PCA0102862
Sample Date		Client Info		11 Jun 2024	20 Dec 2023	03 Aug 2023
Machine Age	mls	Client Info		235152	221589	207660
Oil Age	mls	Client Info		13563	13929	12510
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22	17	20
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	9	2	3
Lead	ppm	ASTM D5185m	>40	1	2	2
Copper	ppm	ASTM D5185m	>330	2	3	<1
Tin	ppm	ASTM D5185m	>15	0	<1	<1
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	10	5	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	64	60	65
Manganese	ppm	ASTM D5185m	0	1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	971	967	1089
Calcium	ppm	ASTM D5185m	1070	1171	1062	1186
Phosphorus	ppm	ASTM D5185m	1150	1085	1030	1120
Zinc	ppm	ASTM D5185m	1270	1288	1305	1399
Sulfur	ppm	ASTM D5185m	2060	3462	2984	3816
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	6
Sodium	ppm	ASTM D5185m		10	7	2
Potassium	ppm	ASTM D5185m	>20	4	2	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	9.8	9.3	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5	20.5	19.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	16.8	16.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.97	8.43	12.36



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06223656 Unique Number : 11101853

: PCA0112162

Received **Tested**

: 28 Jun 2024

: 01 Jul 2024

Diagnosed : 01 Jul 2024 - Jonathan Hester Test Package : MOB 2 (Additional Tests: KV40)

Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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

50 VENNER ROAD AMSTERDAM, NY

US 12010 Contact: CONNIE WILBUR cwilbur@browncoach.com

T: (518)843-4700 F: (518)843-3600

Report Id: BROAMS [WUSCAR] 06223656 (Generated: 07/02/2024 05:19:11) Rev: 1

Contact/Location: CONNIE WILBUR - BROAMS