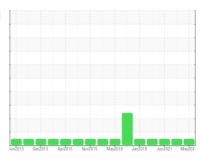


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **2013 MCI 327U**

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

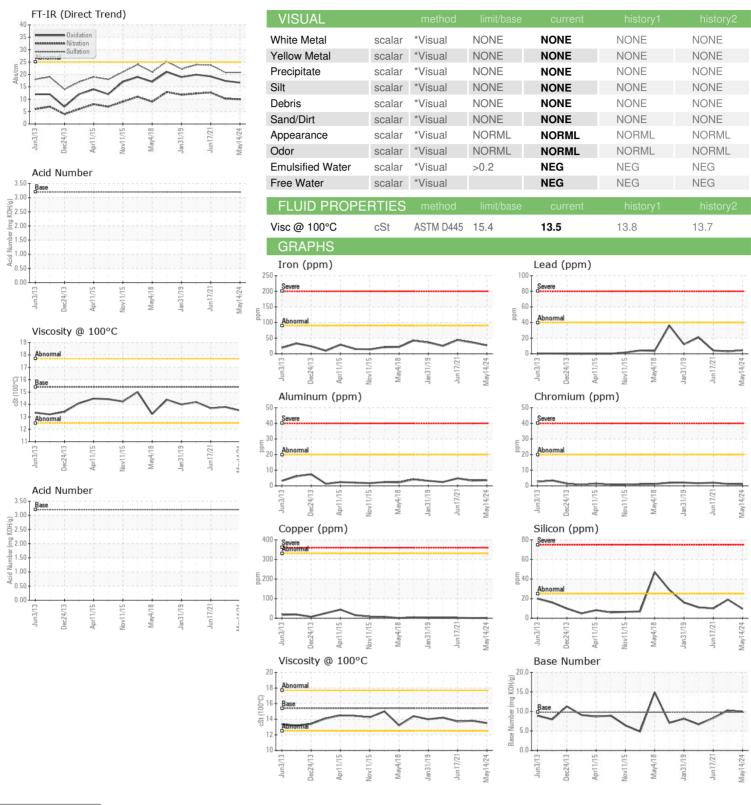
Fluid Condition

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

GAL) hun2013 Des2013 Apr2015 Nov2015 May2018 Jan2019 Jun2021 May2020						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0125065	PCA0111551	PCA0047482
Sample Date		Client Info		14 May 2024	02 Mar 2024	17 Jun 2021
Machine Age	mls	Client Info		389549	380115	352761
Oil Age	mls	Client Info		9434	9545	12561
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>90	27	36	44
Chromium	ppm	ASTM D5185m	>20	1	1	2
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	3	5
Lead	ppm	ASTM D5185m	>40	4	3	4
Copper	ppm	ASTM D5185m	>330	1	1	2
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				0
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	6	<1	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	62	62	64
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	888	972	1027
Calcium	ppm	ASTM D5185m	1070	1094	1076	1201
Phosphorus	ppm	ASTM D5185m	1150	980	1028	1118
Zinc	ppm	ASTM D5185m	1270	1189	1223	1313
Sulfur	ppm	ASTM D5185m		3069	3070	2818
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	19	10
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	. 20	3 2	2	4 <1
	ppm					
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	% A b a /a re	*ASTM D7844	>6	0.7	0.6	0.8
Nitration	Abs/cm	*ASTM D7624	>20	10.0	10.2	12.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	20.8	23.8
FLUID DEGRAI	NOITAC		limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	17.4	19.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	9.88	10.23	8.31



OIL ANALYSIS REPORT





Certificate 12367

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0125065 Lab Number : 06222499 Unique Number : 11100696

Received **Tested** Diagnosed

Test Package : MOB 2 (Additional Tests: TAN Man) 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

: 27 Jun 2024

: 28 Jun 2024

: 28 Jun 2024 - Angela Borella

Contact/Location: CONNIE WILBUR - BROAMS