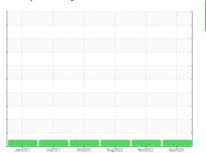


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

MERCEDES 162

Front Diesel Engine

PETRO CANADA DURON-E XL 15W40 (4 G

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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.

AL)		Jan 2021	Jul2021 Oct2021	Aug ² 022 Nov ² 022	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0111558	PCA0085118	PCA0076594
Sample Date		Client Info		12 Apr 2024	15 Nov 2022	02 Aug 2022
Machine Age	mls	Client Info		195070	158501	151841
Oil Age	mls	Client Info		6684	6660	8323
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
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	18	38	57
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	10	15	20
Lead	ppm	ASTM D5185m	>40	<1	<1	<1
Copper	ppm	ASTM D5185m	>330	1	2	2
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Antimony	ppm	ASTM D5185m	7.0			
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1	198	171	152
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	71	73	75
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	34	43	21
Calcium	ppm	ASTM D5185m	1070	1560	1698	1745
Phosphorus	ppm	ASTM D5185m	1150	799	796	837
Zinc	ppm	ASTM D5185m	1270	906	934	936
Sulfur	ppm	ASTM D5185m	2060	2321	2526	2291
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	5	6
Sodium	ppm	ASTM D5185m		3	<1	1
Potassium	ppm	ASTM D5185m	>20	2	0	4
Fuel	%	ASTM D3524	>5	<1.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.6	0.7
Nitration	Abs/cm	*ASTM D7624	>20	10.4	12.2	13.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.9	39.7	42.5
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	42.9	45.8	49.9
Base Number (BN)	mg KOH/g	ASTM D2896	10.0	7.45	5.40	5.81
	39					



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06159324

: PCA0111558 Unique Number : 10994747

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested

: 24 Apr 2024 : 25 Apr 2024 Diagnosed

: 26 Apr 2024 - Don Baldridge

BROWN BUS COMPANY - UPSTATE TRANSIT 50 VENNER ROAD AMSTERDAM, NY US 12010 Contact: CONNIE WILBUR

Test Package : MOB 2 (Additional Tests: FuelDilution) 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.

cwilbur@browncoach.com T: (518)843-4700 F: (518)843-3600

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: BROAMS [WUSCAR] 06159324 (Generated: 04/26/2024 10:25:25) Rev: 1

Contact/Location: CONNIE WILBUR - BROAMS