

OIL ANALYSIS REPORT

Sample Rating Trend



PREVOST MOTOR COACH 116

Component

Rear Diesel Engine

PETRO CANADA DURON XL SYN BLEND 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

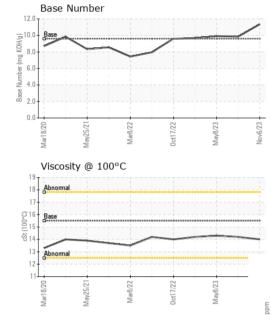
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION	method	limit	t/base	cui	rrent	his	
5W40 (QTS)	Mar2020	May2021	Mar2022	0ct2022	May2023	Nov2023	S
116							
116							
SIS REPORT							

Sample Number		Client Info		PCA0101051	PCA0101055	PCA0094178
Sample Date		Client Info		06 Nov 2023	11 Aug 2023	08 May 2023
Machine Age	mls	Client Info		150072	139518	127331
Oil Age	mls	Client Info		10554	12187	9563
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ION	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	10	19	11
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	2
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	<1	2	<1
Tin	ppm	ASTM D5185m	>15	<1	<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	1	3	<1	1
Barium	ppm	ASTM D5185m	1	0	2	0
Molybdenum	ppm	ASTM D5185m	60	57	85	61
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	944	1291	1024
Calcium	ppm	ASTM D5185m	1070	1029	1411	1073
Phosphorus	ppm	ASTM D5185m	1150	1000	1371	1076
Zinc	ppm	ASTM D5185m	1270	1268	1633	1326
Sulfur	ppm	ASTM D5185m	2060	3043	4129	3840
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	4	4
Sodium	ppm	ASTM D5185m		<1	0	1
Potassium	ppm	ASTM D5185m	>20	0	2	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	8.1	8.3	8.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.5	19.1	19.2
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	14.9	14.8
Oxidation	AUS/. IIIIIII	ASTIVI DITTI	720	13.0	14.5	14.0



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIFS	method	limit/base	current	historv1	historv2

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FLUID PRO	PERTIES	method	limit/base	e current	hist	ory1	histo	ry2
Visc @ 100°C	cSt	ASTM D445	15.5	14.0	14.2		14.3	
GRAPHS								
Iron (ppm)				Lead (ppm)				
200 Severe				80 - Severe				
150 100 Abnormal			mdd	60 Abnormal				
50-				20-				
Mar18/20 + 1	Mar8/22 +-	May8/23	Nov6/23	Mar18/20	Mar8/22	0ct17/22	May8/23	Nov6/23
Aluminum (pp	m)			Chromium (opm)			
Severe				Severe				
20 Abnomal			E	20 Abnormal				
20 - Abnormal				20 Abnormal				
0	2	3		0	2			3
Mar18/20 May25/21	Mar8/22 0ct17/22	May8/23	Nov6/23 -	Mar18/20 May25/21	Mar8/22	0ct17/22	May8/23	Nov6/23
Copper (ppm)				Silicon (ppm)			
Severe Abnormal				80 Severe				
200			E	40				
100				Abnormal				
				0				_
Mar18/20 May25/21	Mar8/22	May8/23	Nov6/23 -	Mar18/20 May25/21	Mar8/22	Oct17/22	May8/23	Nov6/23 -
Viscosity @ 10	00°C			Base Numbe	r			

12.0 (mg KOH/g) 6.0 Base Number (0.0 4.0 2.0

0.0





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 2

: 06008545

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: PCA0101051 : 10742307

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Nov 2023 Diagnosed

0ct17/22

: 16 Nov 2023 Diagnostician : Wes Davis

BROWN BUS COMPANY - UPSTATE TRANSIT

50 VENNER ROAD AMSTERDAM, NY US 12010

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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)

Report Id: BROAMS [WUSCAR] 06008545 (Generated: 11/16/2023 12:04:44) Rev: 1

Contact/Location: CONNIE WILBUR - BROAMS