

OIL ANALYSIS REPORT

Sample Rating Trend



MCGINN BUS COMPANY

11425

Diesel Engine

PETRO CANADA DURON SHP 15W40 (36 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

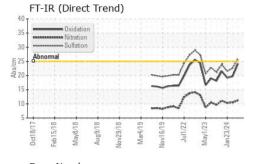
Fluid Condition

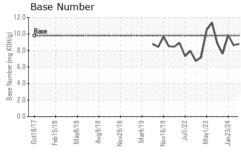
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

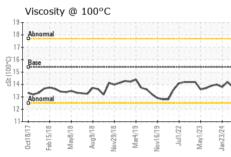
QIS)		±2017 Feb2018	May2018 Aug2018 Nov2010	8 Mar2019 Nov2019 Jul2022 May20	23 Jan 2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0090551	PCA0090547	PCA0090533
Sample Date		Client Info		15 May 2024	03 Apr 2024	23 Jan 2024
Machine Age	mls	Client Info		563206	552174	540907
Oil Age	mls	Client Info		12000	24000	24000
Oil Changed		Client Info		Not Changd	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	21	21	15
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	<1
Lead	ppm	ASTM D5185m	>40	1	2	0
Copper	ppm	ASTM D5185m	>330	2	3	2
Tin	ppm	ASTM D5185m	>15	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	3	3	3
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	60	84	63	62
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	1010	1069	988	986
Calcium	ppm	ASTM D5185m	1070	1253	1129	1129
Phosphorus	ppm	ASTM D5185m	1150	1295	1214	1078
Zinc	ppm	ASTM D5185m	1270	1433	1347	1230
Sulfur	ppm	ASTM D5185m	2060	3802	3612	3430
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	5
Sodium	ppm	ASTM D5185m		3	<1	3
Potassium	ppm	ASTM D5185m	>20	3	1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.5	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	11.2	10.5	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.9	22.6	21.5
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.2	19.7	19.2
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.79	8.63	9.88
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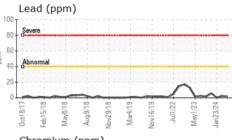


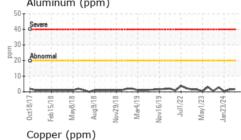


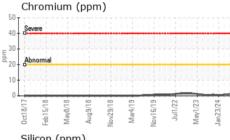
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

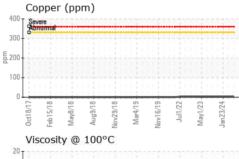
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Visc @ 100°C	cSt	ASTM D445	15.4	13.8	14.2	13.8

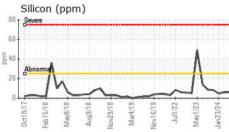
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0-									
0 - Ab	normal								
0									
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Oct18/17	Feb15/18	May8/18	Aug9/18	Nov29/18	Mar4/19	Nov16/19	Jul1/22	May1/23	Jan23/24
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Αlι	ımin	um ((ppm	1)					

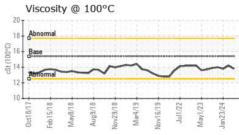


















Certificate 12367

Laboratory Sample No.

: PCA0090551 Lab Number : 06196878

Unique Number : 11059001 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 31 May 2024 **Tested** : 03 Jun 2024

Diagnosed

: 03 Jun 2024 - Wes Davis

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) **MCGINN BUS CO** 36 ALLEY ST

LYNN, MA US 01902 Contact: TOM SCHULZ

tommcginnbus@aol.com

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