

OIL ANALYSIS REPORT

Base Number (BN) mg KOH/g ASTM D2896 9.8



Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

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.

NC./OFF-R	OAD					
AL)		Apr2023	Jul2023	Aug2023 Oct2023	Dec2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109862	PCA0098627	PCA0104695
Sample Date		Client Info		20 Dec 2023	18 Oct 2023	30 Aug 2023
Machine Age	hrs	Client Info		1924	1513	1145
Dil Age	hrs	Client Info		1924	0	1145
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	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	11	14	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Fitanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	<1	2
Aluminum	ppm	ASTM D5185m	>20	1	2	<1
_ead	ppm	ASTM D5185m	>40	0	2	1
Copper	ppm	ASTM D5185m	>330	6	26	137
Tin	ppm	ASTM D5185m	>15	<1	1	2
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	5	3	2
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	57	63	59
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	915	943	966
Calcium	ppm	ASTM D5185m	1070	1003	1081	1107
Phosphorus	ppm	ASTM D5185m	1150	1030	1065	1023
Zinc	ppm	ASTM D5185m	1270	1215	1230	1279
Sulfur	ppm	ASTM D5185m	2060	2936	3489	3356
CONTAMINAN	ITS	method	limit/base		history1	history2
Silicon	ppm	ASTM D5185m	>25	5	8	9
Sodium	ppm	ASTM D5185m	00	0	0	2
Potassium	ppm	ASTM D5185m		0	2	<1
INFRA-RED		method	limit/base		history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.4
Nitration	Abs/cm	*ASTM D7624		7.9	7.4	7.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.0	19.9	20.3
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.2	16.3	16.5
	HOLH	AOTH DOOL	0.0		0.00	10.00

Sample Rating Trend

NORMAL

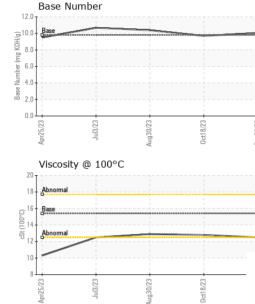
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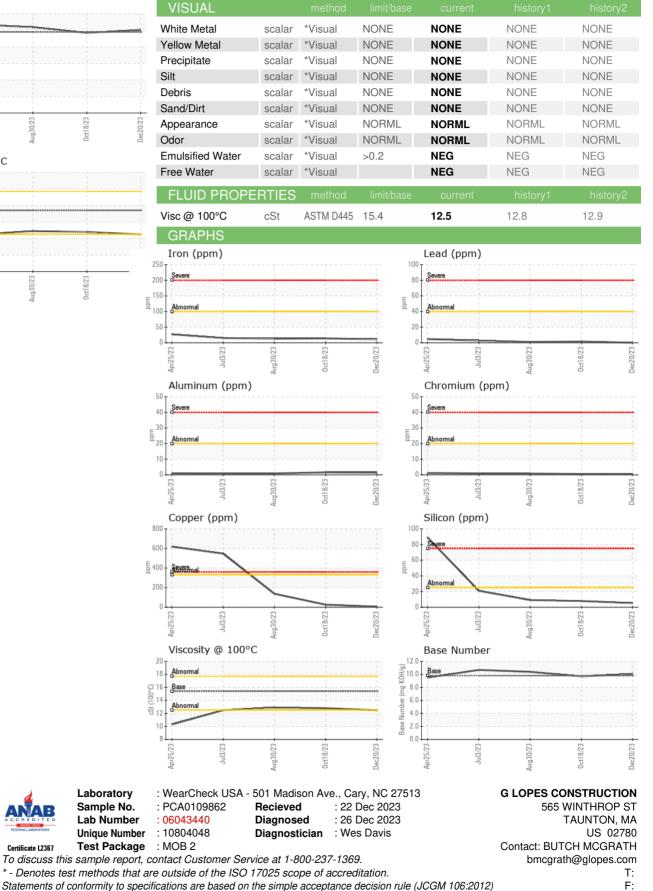
9.69

10.06



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Certificate L2367

Submitted By: MATT MANOLI

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