

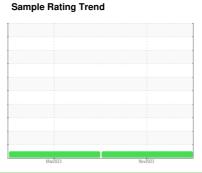
# **OIL ANALYSIS REPORT**

# G.LOPES CONSTRUCTION INC./OFF-ROAD **D6-39**

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.

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil.

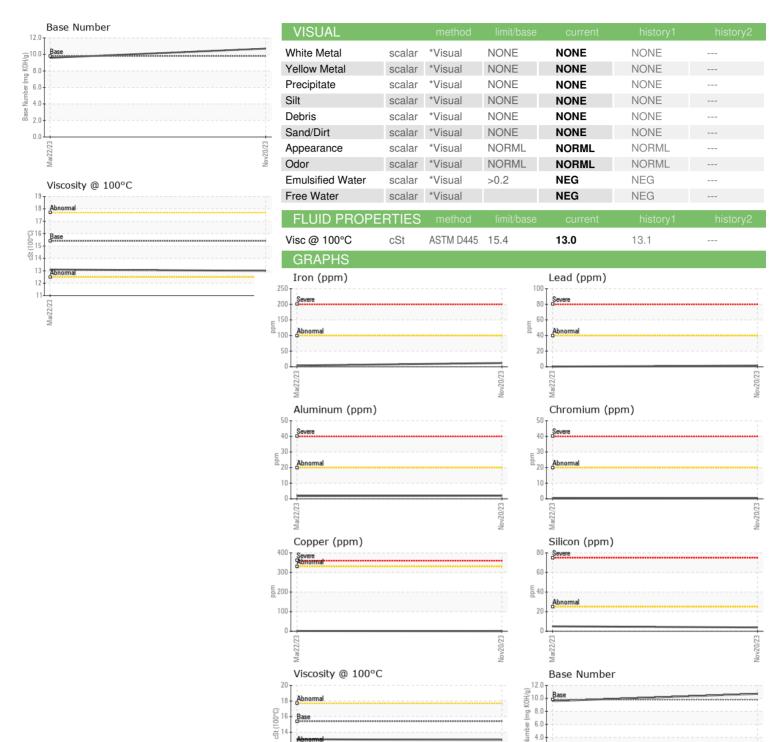
### **Fluid Condition**

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

GAL)			Mar2023	Nov2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109777	PCA0072081	
Sample Date		Client Info		20 Nov 2023	22 Mar 2023	
Machine Age	hrs	Client Info		6797	6617	
Oil Age	hrs	Client Info		6797	6617	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	12	4	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	2	2	
Lead	ppm	ASTM D5185m	>40	2	<1	
Copper	ppm	ASTM D5185m	>330	<1	1	
Tin	ppm	ASTM D5185m	>15	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	13	75	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m	60	61	78	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	1010	904	264	
Calcium	ppm	ASTM D5185m	1070	1192	1871	
Phosphorus	ppm	ASTM D5185m	1150	1156	1000	
Zinc	ppm	ASTM D5185m	1270	1269	1159	
Sulfur	ppm	ASTM D5185m	2060	3287	3424	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	5	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	<1	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.1	
Nitration	Abs/cm	*ASTM D7624		8.1	7.0	
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	17.7	
FLUID DEGRAI	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	12.8	
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	10.70	9.59	



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 06016671 : 10755815 Test Package : MOB 2

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 24 Nov 2023 : PCA0109777 Received Diagnosed : 28 Nov 2023 : Wes Davis

Diagnostician

2.0

0.0

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)

**G LOPES CONSTRUCTION** 

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