

## **OIL ANALYSIS REPORT**

Sample Date

Machine Age

Oil Changed

Oil Age

Fuel

Glycol

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

Calcium

Zinc

Sulfur

Titanium

Aluminum

Chromium

# G.LOPES CONSTRUCTION INC./ON-ROAD 362

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

Metal levels are typical for a new component breaking in.

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. 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.

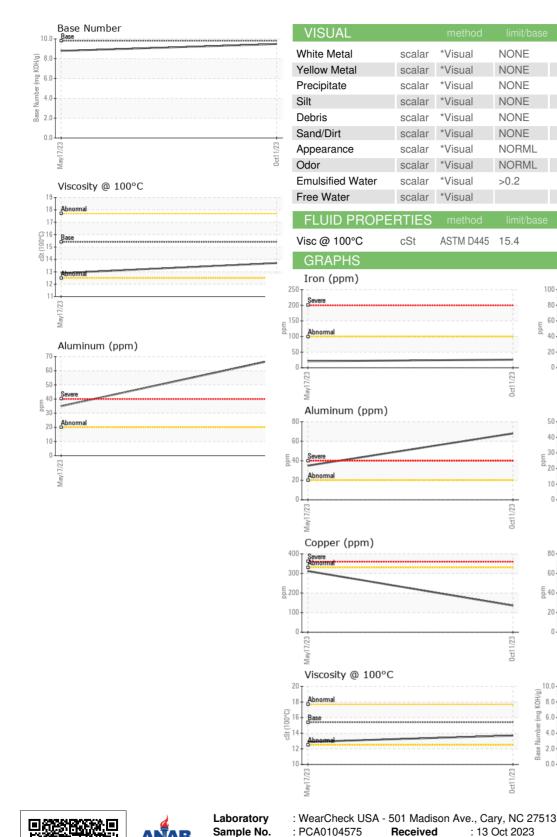


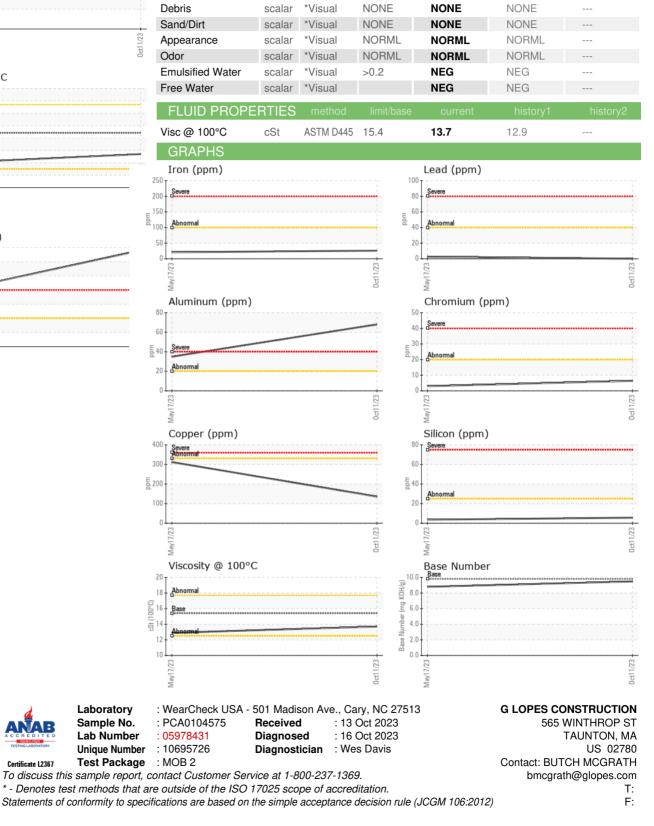
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	4	
Sodium	ppm	ASTM D5185m		3	3	
Potassium	ppm	ASTM D5185m	>20	151	78	

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	
Nitration	Abs/cm	*ASTM D7624	>20	7.5	7.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	20.4	
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	17.2	
Base Number (BN)	ma KOH/a	ASTM D2896	9.8	9.48	8.79	



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NONE

Certificate L2367

Lab Number

Unique Number

Test Package : MOB 2

: 05978431

: 10695726

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Diagnosed

Diagnostician

Submitted By: MATT MANOLI

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