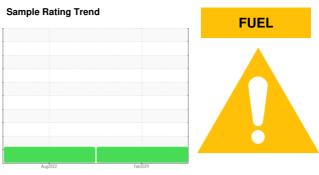


OIL ANALYSIS REPORT

G.LOPES CONSTRUCTION INC./ON-ROAD **PU250**

Component **Diesel Engine**

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



DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil.

▲ Fluid Condition

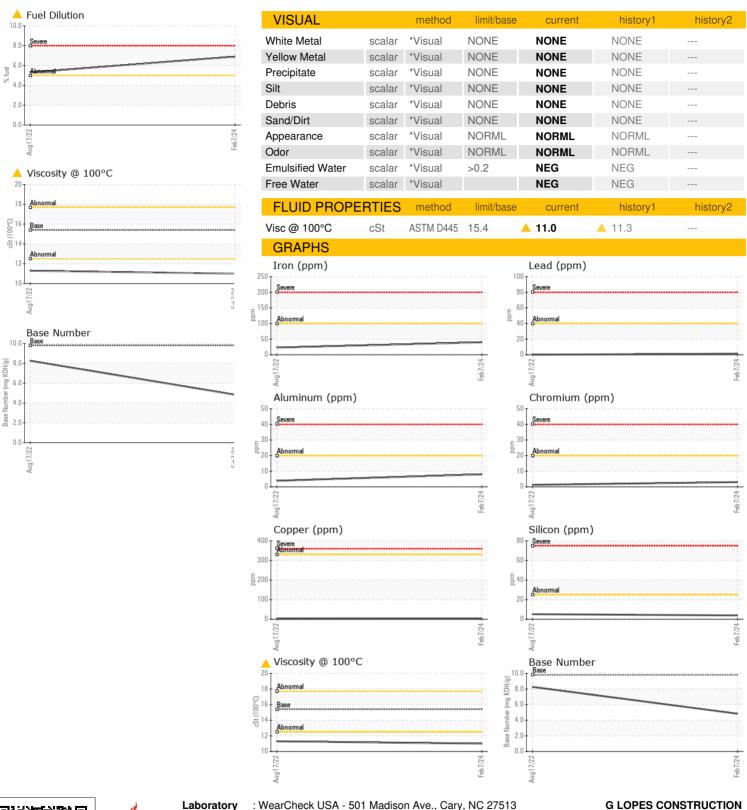
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

GAL)	
SAMPLE INFORMATION method limit/base current history1	history2
Sample Number Client Info PCA0098332 PCA0078330	
Sample Date Client Info 07 Feb 2024 17 Aug 2022	
Oil Age hrs Client Info 150000 130500	
Oil Changed Client Info N/A N/A	
Sample Status ABNORMAL ABNORMAL	
CONTAMINATION method limit/base current history1	history2
Water WC Method >0.2 NEG NEG	
Glycol WC Method NEG NEG	
WEAR METALS method limit/base current history1	history2
Iron ppm ASTM D5185m >100 40 23	
Chromium ppm ASTM D5185m >20 3 1	
Nickel ppm ASTM D5185m >4 <1 0	
Titanium ppm ASTM D5185m 0 0	
Silver ppm ASTM D5185m >3 0 0	
Aluminum ppm ASTM D5185m >20 8 4	
Lead ppm ASTM D5185m >40 1 0	
Copper ppm ASTM D5185m >330 3 2	
Tin ppm ASTM D5185m >15 <1 0	
VanadiumppmASTM D5185m00	
Condesiums ACTM DE10Ess	
CadmiumppmASTM D5185m00	
ADDITIVES method limit/base current history1	history2

ADDITIVES method limit/base current history1	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 0	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1	history2
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ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1 Magnesium ppm ASTM D5185m 1010 328 792 Calcium ppm ASTM D5185m 1070 1643 974	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1 Magnesium ppm ASTM D5185m 1010 328 792 Calcium ppm ASTM D5185m 1070 1643 974 Phosphorus ppm ASTM D5185m 1150 927 903	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1 Magnesium ppm ASTM D5185m 1010 328 792 Calcium ppm ASTM D5185m 1070 1643 974 Phosphorus ppm ASTM D5185m 1150 927 903 Zinc ppm ASTM D5185m 1270 1091 1036	history2
ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1 Magnesium ppm ASTM D5185m 1010 328 792 Calcium ppm ASTM D5185m 1070 1643 974 Phosphorus ppm ASTM D5185m 1150 927 903 Zinc ppm ASTM D5185m 1270 1091 1036 Sulfur ppm ASTM D5185m 2060 3195 2650	history2
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ADDITIVES method limit/base current history1 Boron ppm ASTM D5185m 0 20 8 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 60 74 54 Manganese ppm ASTM D5185m 0 1 <1	history2 history2
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ADDITIVES	history2 history2 history2 history2



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

: 06085006 **Unique Number** : 10872451

: PCA0098332

Received **Tested** Diagnosed Test Package: MOB 2 (Additional Tests: PercentFuel)

: 09 Feb 2024 : 13 Feb 2024

: 13 Feb 2024 - Jonathan Hester

Contact: BUTCH MCGRATH bmcgrath@glopes.com T:

565 WINTHROP ST

TAUNTON, MA

US 02780

F:

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: GLOTAU [WUSCAR] 06085006 (Generated: 02/13/2024 13:56:15) Rev: 1

Submitted By: MATT MANOLI