

OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

WEAR METALS

Oil Age

Fuel

Water

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Titanium

Aluminum

Chromium

Sample Rating Trend

Machine Id

INTERNATIONAL International CD truck

Diesel Engine Fluid

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

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. There is a moderate concentration of glycol present in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.



ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	19		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	63		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	1010	842		
Calcium	ppm	ASTM D5185m	1070	991		
Phosphorus	ppm	ASTM D5185m	1150	922		
Zinc	ppm	ASTM D5185m	1270	1053		
Sulfur	ppm	ASTM D5185m	2060	3025		

<1

0

ASTM D5185m

ASTM D5185m

ppm

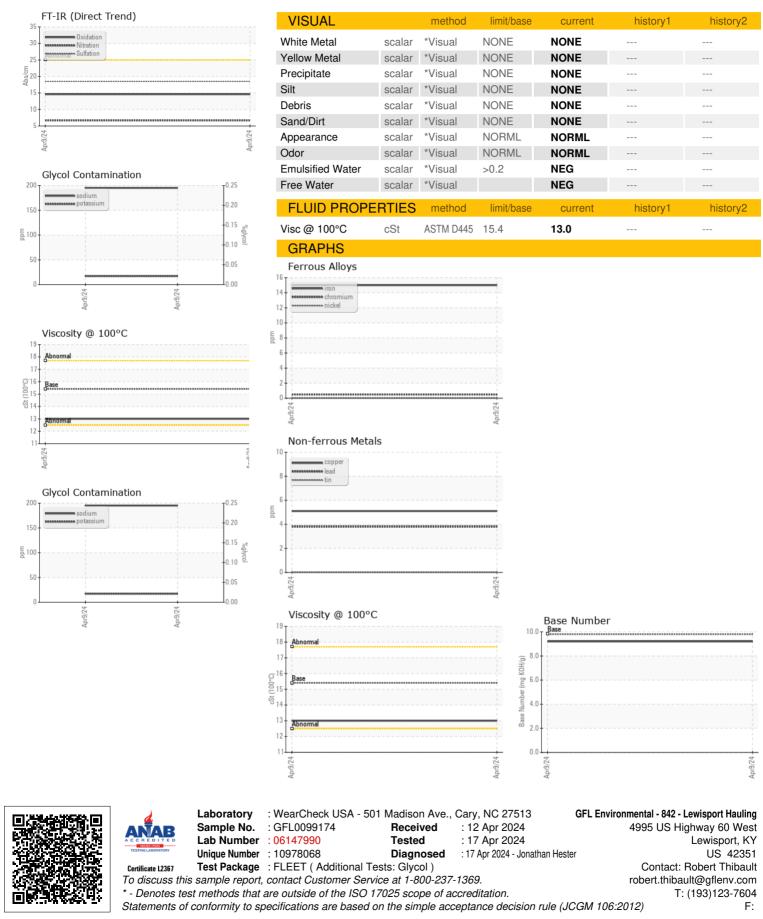
ppm

CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	15		
Sodium	ppm	ASTM D5185m		<u> </u>		
Potassium	ppm	ASTM D5185m	>20	<u> </u>		
Glycol	%	*ASTM D2982		NEG		
INFRA-RED		method	limit/base	current	history1	history2

Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5		
FLUID DEGRA		method	limit/base	current	history1	history2
FLUID DEGRAI		method *ASTM D7414		current 14.6	history1	history2



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