

OIL ANALYSIS REPORT

{UNASSIGNED} 834092

Component

Natural Gas Engine

PETRO CANADA DURON SHP 15W40 (8 GAL)

Sample Rating Trend **NORMAL**

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

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. No other contaminants were detected in the oil.

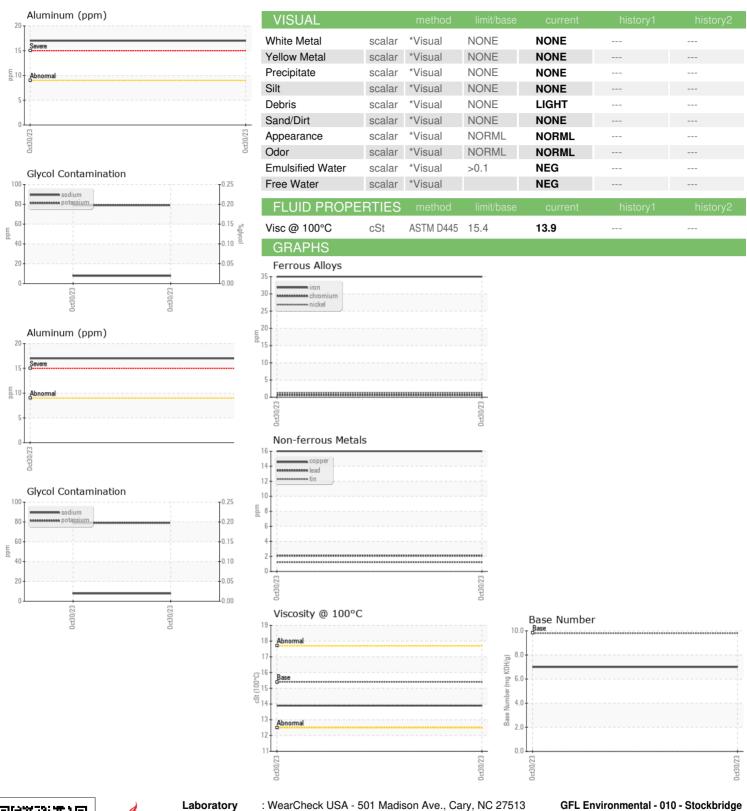
Fluid Condition

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

AL)				Oct2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0088730		
Sample Date		Client Info		30 Oct 2023		
Machine Age	hrs	Client Info		147		
Oil Age	hrs	Client Info		147		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	35		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>2	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>9	17		
Lead	ppm	ASTM D5185m	>30	2		
Copper	ppm	ASTM D5185m	>35	16		
Tin	ppm	ASTM D5185m	>4	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	36		
Barium	ppm	ASTM D5185m	0	2		
Molybdenum	ppm	ASTM D5185m	60	50		
Manganese	ppm	ASTM D5185m	0	13		
Magnesium	ppm	ASTM D5185m	1010	708		
Calcium	ppm	ASTM D5185m	1070	1046		
Phosphorus	ppm	ASTM D5185m	1150	715		
Zinc	ppm	ASTM D5185m	1270	814		
Sulfur	ppm	ASTM D5185m	2060	2080		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	37		
Sodium	ppm	ASTM D5185m		8		
Potassium	ppm	ASTM D5185m	>20	79		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	9.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.5		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2		
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.0		



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Certificate L2367

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

: GFL0088730 : 05995290 : 10723650

Received Diagnosed

: Don Baldridge Diagnostician

: 01 Nov 2023

: 03 Nov 2023

Test Package : FLEET (Additional Tests: Glycol) 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)

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