



Machine Id  
**KENWORTH 428106-SW4832**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 15W40 (--- GAL)**

**RECOMMENDATION**

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0095389</b>	---	---
Sample Date		Client Info		<b>22 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>9753</b>	---	---
Oil Age	hrs	Client Info		<b>600</b>	---	---
Filter Age	hrs	Client Info		<b>600</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ATTENTION</b>	---	---

**WEAR**

Iron	ppm	ASTM D5185m	>100	<b>8</b>	---	---
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>40	<b>4</b>	---	---
Copper	ppm	ASTM D5185m	>330	<b>1</b>	---	---
Tin	ppm	ASTM D5185m	>15	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

Silicon	ppm	ASTM D5185m	>25	<b>6</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Fuel	%	ASTM D3524	>5	<b>0.2</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	*ASTM D7844	>3	<b>0.3</b>	---	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.9</b>	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>17.1</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	---	---

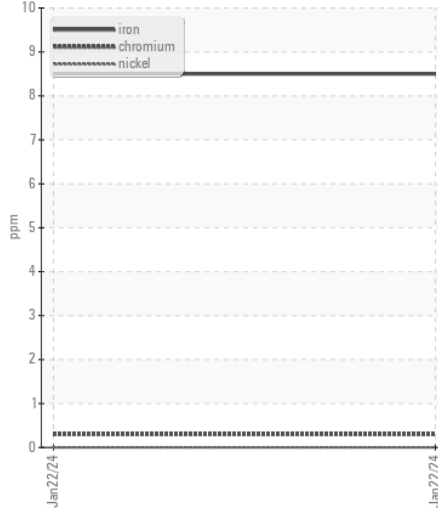
**FLUID CONDITION**

Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Boron	ppm	ASTM D5185m	0	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	60	<b>56</b>	---	---
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	1010	<b>20</b>	---	---
Calcium	ppm	ASTM D5185m	1070	<b>2173</b>	---	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1052</b>	---	---
Zinc	ppm	ASTM D5185m	1270	<b>1202</b>	---	---
Sulfur	ppm	ASTM D5185m	2060	<b>3066</b>	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>9.5</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	<b>7.5</b>	---	---
Visc @ 100°C	cSt	ASTM D445	15.4	<b>▲ 11.8</b>	---	---

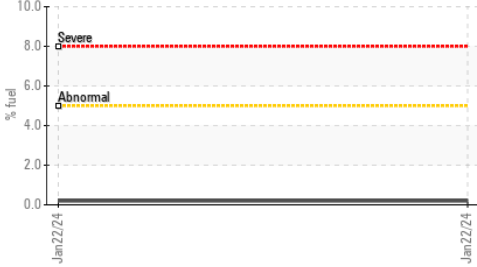
▲ Viscosity @ 100°C



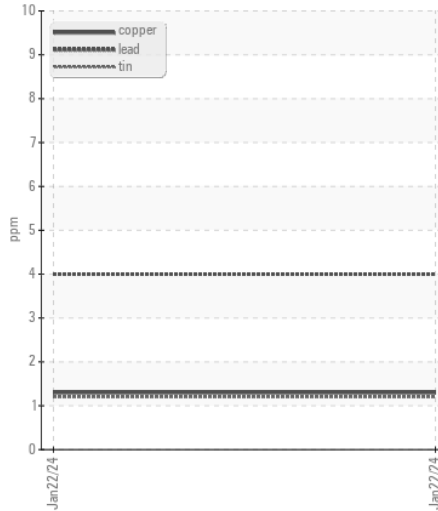
Ferrous Alloys



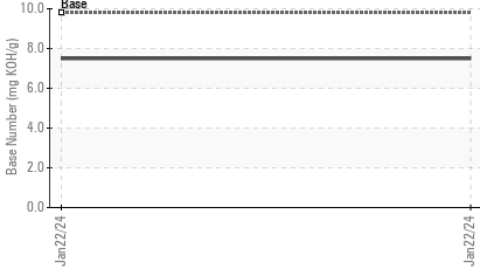
Fuel Dilution



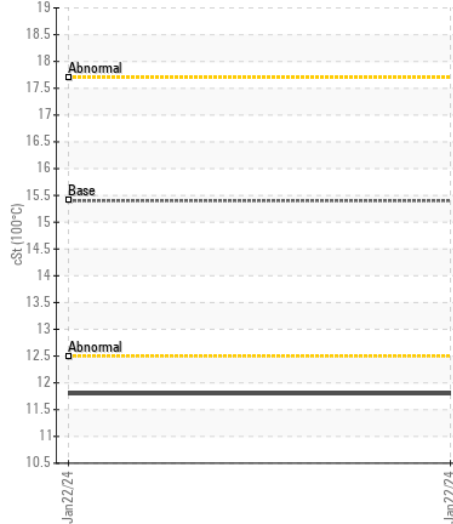
Non-ferrous Metals



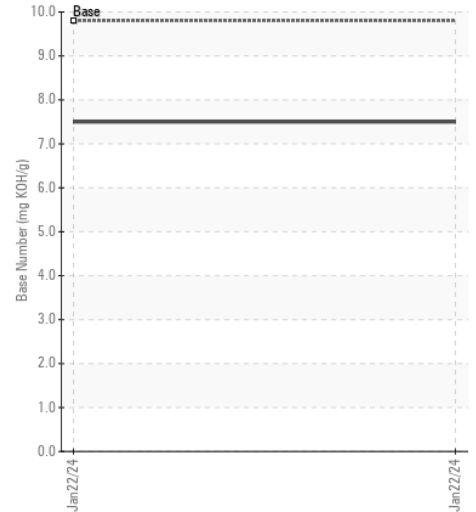
Base Number



▲ Viscosity @ 100°C



Base Number



Certificate L2367

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

Sample No. : GFL0095389

Lab Number : 06083292

Unique Number : 10870737

Test Package : FLEET ( Additional Tests: FuelDilution, PercentFuel )

Received : 08 Feb 2024

Tested : 09 Feb 2024

Diagnosed : 09 Feb 2024 - Don Baldrige

GFL Environmental - 982 - Texas City Hauling

1004 4th Ave S

Texas City, TX

US 77590

Contact: COLLIN FERNANDEZ

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T: (832)920-9305

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)