

**NORMAL**



Machine Id  
**KENWORTH 1222**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**DIAGNOSIS**

**Recommendation**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

**Wear**

Les taux d'usure de tous les composants sont normaux.

**Contamination**

Il n'y a aucun indice de contamination dans l'huile.

**Fluid Condition**

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0079712</b>	PC0079708	---
Sample Date	Client Info			<b>27 Jun 2024</b>	24 May 2024	---
Machine Age	kms	Client Info		<b>628646</b>	606737	---
Oil Age	kms	Client Info		<b>40559</b>	18650	---
Oil Changed	Client Info			<b>Not Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>3.0		<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

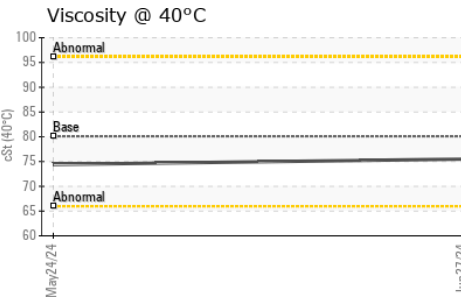
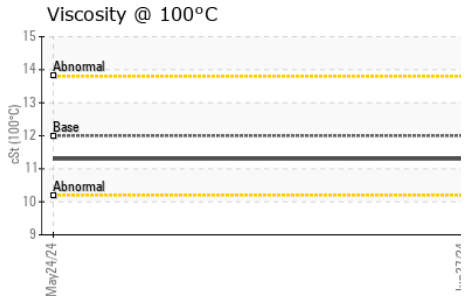
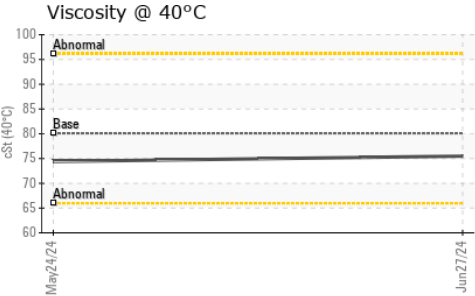
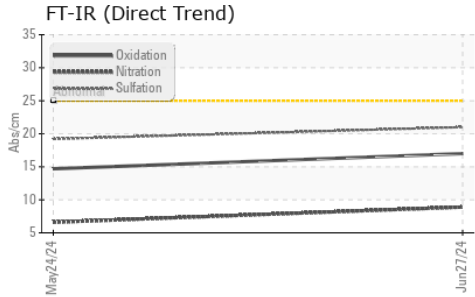
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>90	<b>12</b>	7	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	2	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	0	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	<b>4</b>	4	---
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	57	---
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185(m)	950	<b>954</b>	944	---
Calcium	ppm	ASTM D5185(m)	1050	<b>1093</b>	1105	---
Phosphorus	ppm	ASTM D5185(m)	995	<b>1034</b>	1014	---
Zinc	ppm	ASTM D5185(m)	1180	<b>1213</b>	1217	---
Sulfur	ppm	ASTM D5185(m)	2600	<b>2505</b>	2652	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	3	---
Sodium	ppm	ASTM D5185(m)		<b>2</b>	1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	<b>0.3</b>	0.1	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.9</b>	6.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.0</b>	19.2	---

# OIL ANALYSIS REPORT

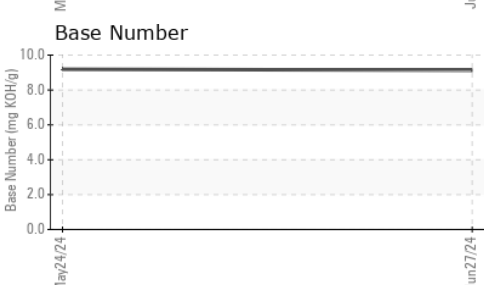
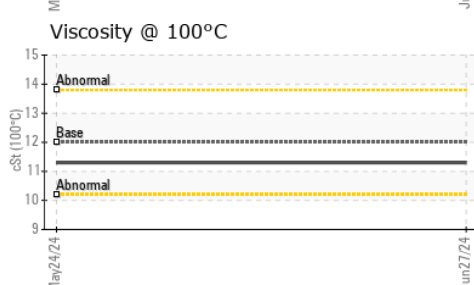
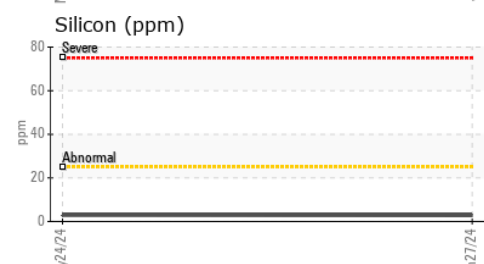
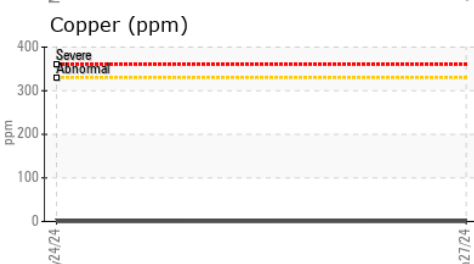
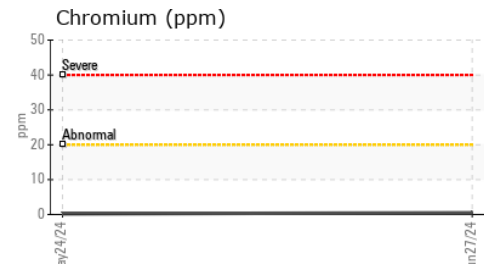
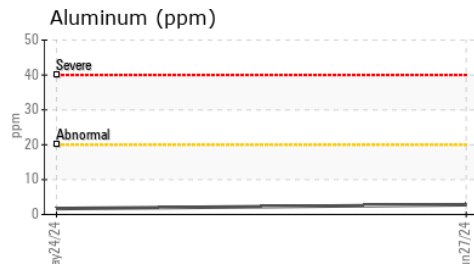
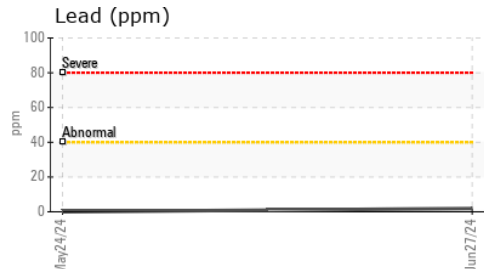
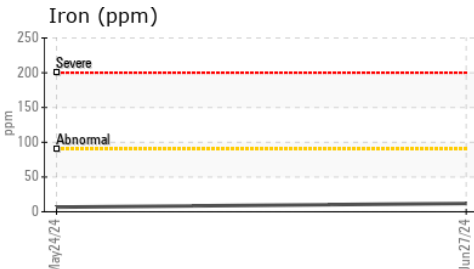


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>17.0</b>	14.7	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>9.13</b>	9.19	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	<b>75.5</b>	74.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.3</b>	11.3	---
Viscosity Index (VI)	Scale	ASTM D2270*	144	<b>140</b>	143	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0079712      **Received** : 18 Jul 2024  
**Lab Number** : **02648585**      **Tested** : 18 Jul 2024  
**Unique Number** : 5814137      **Diagnosed** : 18 Jul 2024 - Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

**HUILES DESROCHES INC.**  
 915 RUE PHILIPPE-PARADIS, LOCAL 115  
 QUEBEC, QC  
 CA G1N 4E3

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

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