



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(0221)
Machine Id
KENWORTH Service truck
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W40 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. (Customer Sample
Comment: New unit)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0073114	---	---
Sample Date		Client Info		03 Jan 2024	---	---
Machine Age	hrs	Client Info		13411	---	---
Oil Age	hrs	Client Info		13411	---	---
Filter Age	hrs	Client Info		13411	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a components first oil change.

Iron	ppm	ASTM D5185(m)	>130	74	---	---
Chromium	ppm	ASTM D5185(m)	>10	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	10	---	---
Lead	ppm	ASTM D5185(m)	>20	<1	---	---
Copper	ppm	ASTM D5185(m)	>125	2	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

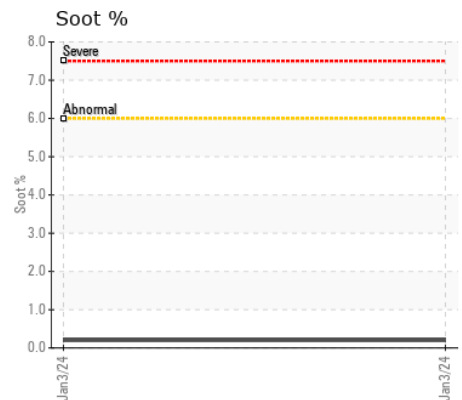
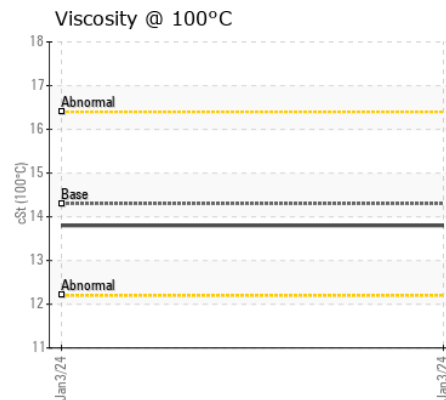
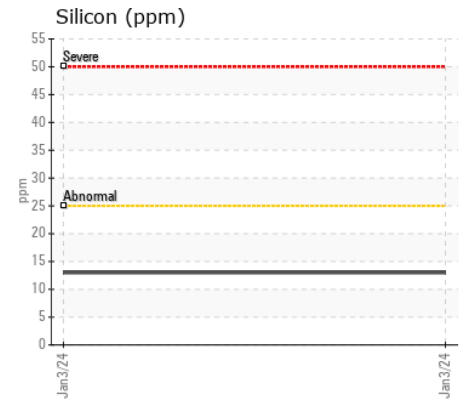
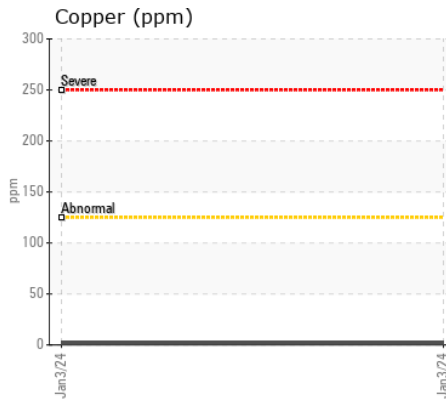
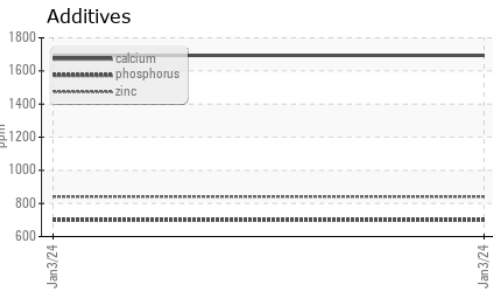
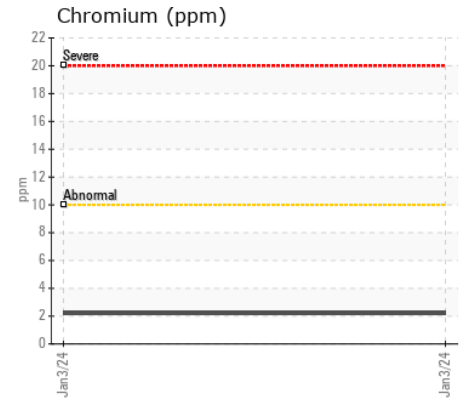
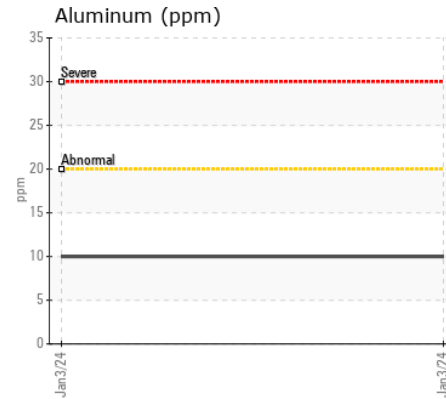
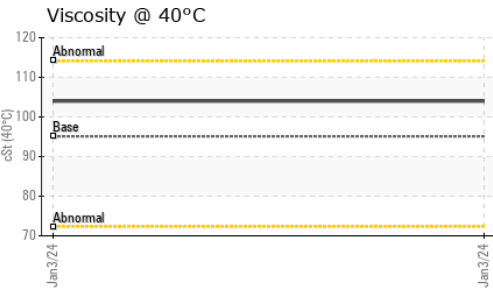
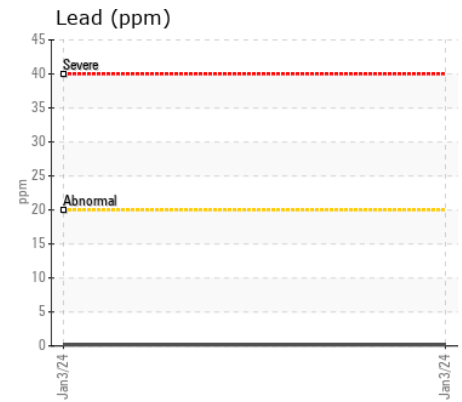
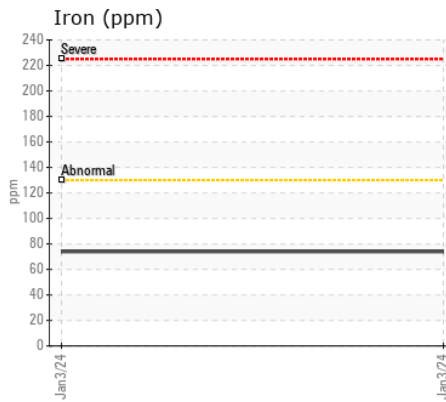
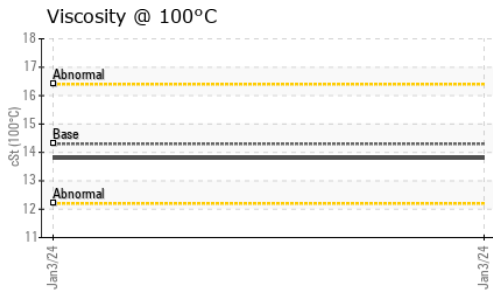
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	13	---	---
Potassium	ppm	ASTM D5185(m)	>20	5	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>6	0.2	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.3	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)	65	39	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	65	39	---	---
Manganese	ppm	ASTM D5185(m)	0	<1	---	---
Magnesium	ppm	ASTM D5185(m)	1160	458	---	---
Calcium	ppm	ASTM D5185(m)	820	1694	---	---
Phosphorus	ppm	ASTM D5185(m)	1160	700	---	---
Zinc	ppm	ASTM D5185(m)	1260	841	---	---
Sulfur	ppm	ASTM D5185(m)	3000	2053	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	26.5	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	95.1	104	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	13.8	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	169	133	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **CROSSCUT DIRECTIONAL BORING LTD**
Sample No. : PC0073114 **Received** : 11 Jan 2024 2345 24 AVE N
Lab Number : 02608122 **Diagnosed** : 12 Jan 2024 LETHBRIDGE, AB
Unique Number : 5709208 **Diagnostician** : Kevin Marson CA T1H 5K3
Test Package : MOB 1 (Additional Tests: KV40, VI)

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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