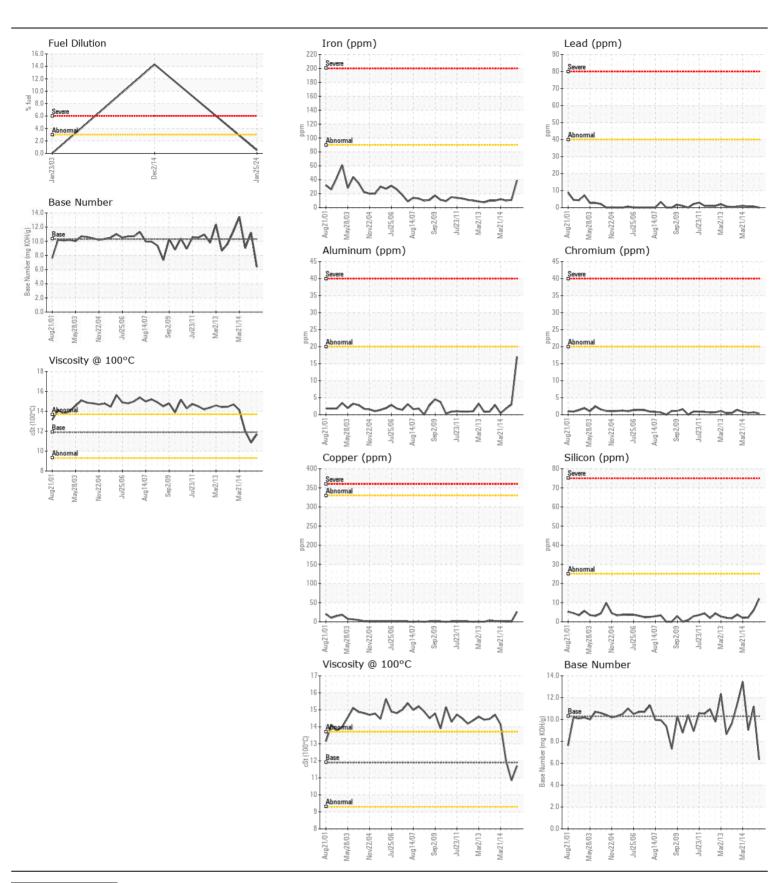
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

KENWORTH 816

Component Diesel Engine							
CHEVRON DELO 400 XLE 10W30 (26 QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	OOW	Client Info	LIIIIII/ADII	WC0778994	WCM2252375	WCM2220847
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		25 Jan 2024	02 Dec 2014	04 Jun 2014
	Machine Age	mls	Client Info		13591	931	665
	Oil Age	mls	Client Info		0	266	259
	Filter Age	mls	Client Info		0	266	259
	Oil Changed	0	Client Info		N/A	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				NORMAL	SEVERE	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m		39	11	10
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		0	2	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		17	3	2
	Lead	ppm	ASTM D5185m	>40	0	<1	<1
	Copper	ppm	ASTM D5185m		26	<1	<1
	Tin	ppm	ASTM D5185m	>15	2	0	2
	Vanadium	ppm	ASTM D5185m	NONE	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	12	6	2
Fuel content negligible. Elevated aluminum (AI) 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. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	44	6	4
	Fuel	%	ASTM D3524	>3.0	0.5	14.3	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.5	0.1	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	10.6	3.	6.
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	12.	17.
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	4	4
TEGID CONDITION	Boron	ppm	ASTM D5185m		31	355	187
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		2	74	40
	Manganese	ppm	ASTM D5185m		2	<1	1
	Magnesium	ppm	ASTM D5185m		732	310	146
	Calcium	ppm	ASTM D5185m	2900	1299	1586	1789
	Phosphorus	ppm	ASTM D5185m		689	977	950
	Zinc	ppm		1200	827	1135	1115
	Sulfur	ppm	ASTM D5185m	4000	2803	2974	887
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	5.	13.
	Base Number (BN)	mg KOH/g			6.34	11.20	9.03
	Visc @ 100°C	cSt	ASTM D445	11.9	11.7	<u> </u>	△ 11.99







Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No.

: WC0778994 Lab Number : 06097230 Unique Number : 10890083

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 22 Feb 2024 **Tested** Diagnosed

: 25 Feb 2024 : 25 Feb 2024 - Wes Davis Test Package: MOB 2 (Additional Tests: PercentFuel)

LYNDEN TRANSPORT - FIFE 5410 12TH STREET EAST FIFE, WA

US 98424 Contact: CHESTER ANGLEMYER

chestera@ltia.lynden.com T: (253)926-7245

* - 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)