

## Machine Id KENWORTH 15409

## 

CHEVRON 15W40 ( QTS)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0924441	WC0846593	WC0809979
	Sample Date		Client Info		23 May 2024	19 Dec 2023	24 May 2023
	Machine Age	mls	Client Info		261800	255340	12122
	Oil Age	mls	Client Info		0	12449	0
	Filter Age	mls	Client Info		0	12449	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	11	31	6
	Chromium	ppm	ASTM D5185m	>20	<1	2	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	7	1
	Lead	ppm	ASTM D5185m	>40	<1	0	0
	Copper	ppm	ASTM D5185m	>330	<1	2	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		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	7	13	5
	Potassium	ppm	ASTM D5185m	>20	3	6	2
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.2	0.1
	Nitration	Abs/cm		>20	6.9	6.6	6.3
	Sulfation	Abs/.1mm	*ASTM D7415		19.9	19.8	20.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance Odor	scalar	*Visual *Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	NORML	NORML NEG	NORML NEG	NORML NEG
		Scalai	visual	20.2		NLG	NLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>50	2	4	0
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		355	360	355
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		80	86	84
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		370	366	352
	Calcium	ppm	ASTM D5185m		1396	1337	1342
	Phosphorus	ppm	ASTM D5185m		989 1155	1044	1025
	Zinc	ppm	ASTM D5185m		1155	1208	1220

Sulfur

Oxidation

Visc @ 100°C cSt

3023

13.7

6.7

13.0

3588

13.6

6.2

12.8

3560

14.0

7.2

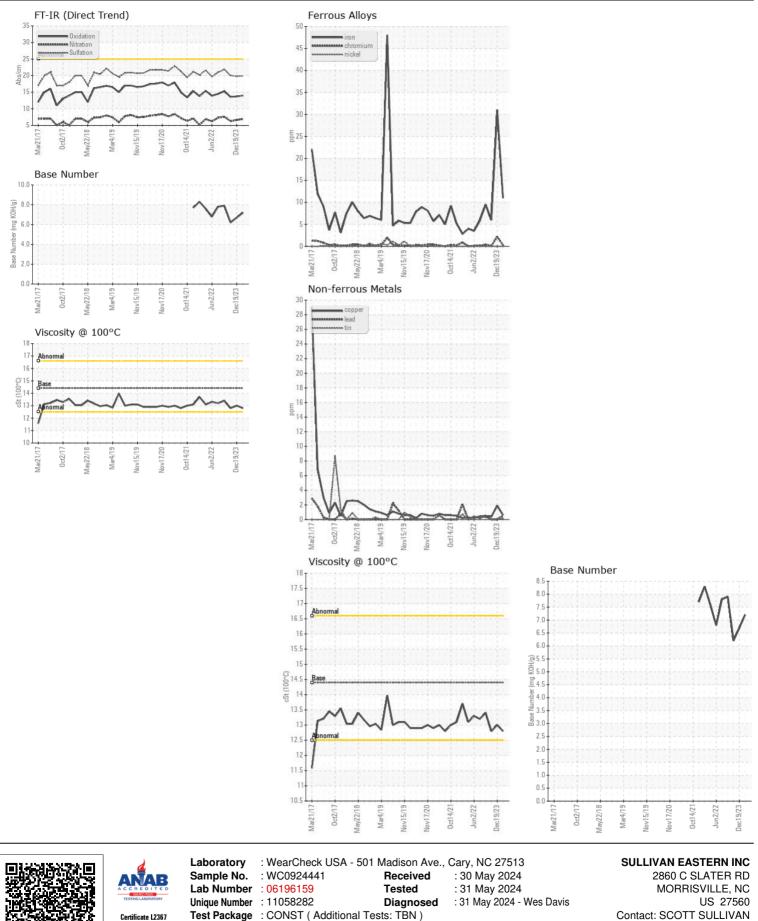
12.8

ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896

Abs/.1mm \*ASTM D7414 >25

ASTM D445 14.4



Certificate L2367 IEST PACKAGE : CONST (Additional Tests: IBN) 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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