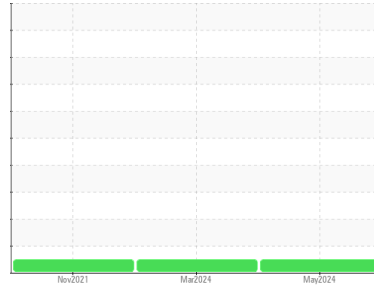




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Machine Id  
**KENWORTH 3936**

Component  
**Front Differential**

Fluid  
**CHEVRON DELO SYNTHETIC GEAR 75W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0877298</b>	WC0625656	WC0462995
Sample Date	Client Info			<b>10 May 2024</b>	12 Mar 2024	22 Nov 2021
Machine Age	mls	Client Info		<b>317695</b>	311400	0
Oil Age	mls	Client Info		<b>0</b>	311400	0
Oil Changed	Client Info			<b>N/A</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>101</b>	126	130
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	6	2
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185m	>100	<b>6</b>	8	13
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0

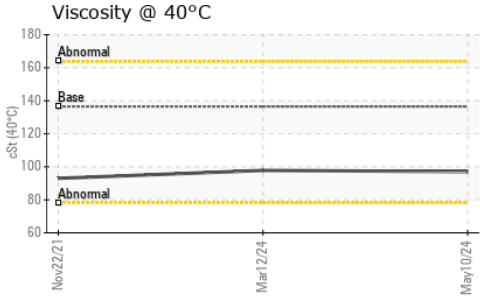
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	203	<b>165</b>	151	212
Barium	ppm	ASTM D5185m	109	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0.4	<b>3</b>	3	1
Manganese	ppm	ASTM D5185m		<b>2</b>	3	5
Magnesium	ppm	ASTM D5185m	0	<b>58</b>	63	108
Calcium	ppm	ASTM D5185m	33	<b>180</b>	190	229
Phosphorus	ppm	ASTM D5185m	1352	<b>1133</b>	1052	1236
Zinc	ppm	ASTM D5185m	11	<b>101</b>	112	149
Sulfur	ppm	ASTM D5185m	21170	<b>19169</b>	19629	23163

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>15</b>	21	26
Sodium	ppm	ASTM D5185m		<b>2</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	2

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



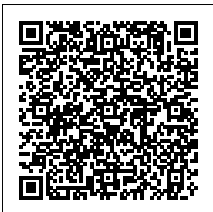
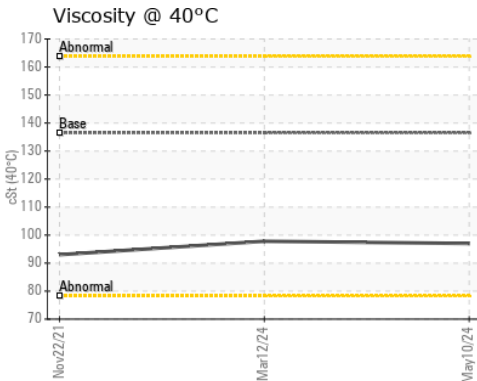
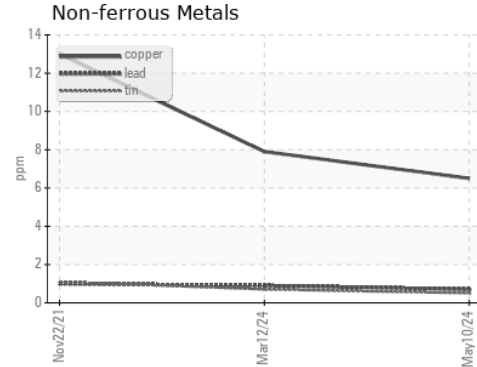
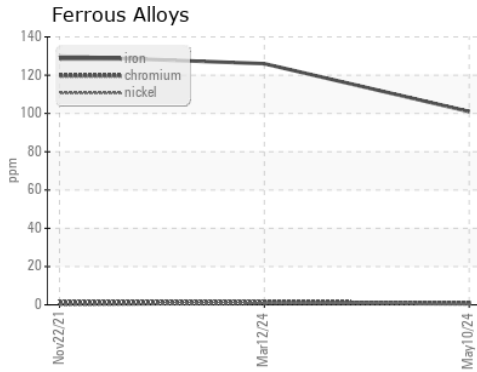
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	136.5	<b>97.0</b>	97.8	93.0

SAMPLE IMAGES	method	limit/base	current	history1	history2	
Color				no image	no image	no image
Bottom				no image	no image	no image

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0877298  
**Lab Number** : 06196072  
**Unique Number** : 11058195  
**Test Package** : FLEET

**Received** : 30 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 03 Jun 2024 - Sean Felton

**LTI/MILKY WAY - MOUNT VERNON**  
 3814 OLD HWY 99 S RD  
 MOUNT VERNON, VA  
 US 98273

Contact: JOHN VAN WINGERDEN  
 jvw@lynden.com  
 T: (360)354-2101  
 F: (360)354-3571

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)