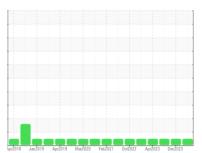


# **OIL ANALYSIS REPORT**

## Sample Rating Trend



**NORMAL** 



Machine Id **KENWORTH 3943** 

Diesel Engine

CHEVRON DELO 400 XLE 10W30 (40 QTS)

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

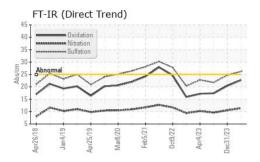
## **Fluid Condition**

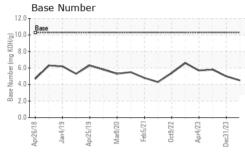
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

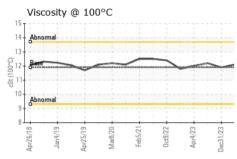
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0906916	WC0863335	WC0663234
Sample Date		Client Info		17 Apr 2024	31 Dec 2023	20 Sep 2023
Machine Age	mls	Client Info		392435	380816	368919
Oil Age	mls	Client Info		38462	353807	15112
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	29	18	16
Chromium	ppm	ASTM D5185m	>20	0	<1	1
Nickel	ppm	ASTM D5185m	>4	0	<1	2
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	9	6	1
Lead	ppm	ASTM D5185m	>40	0	0	1
Copper	ppm	ASTM D5185m	>330	6	3	108
Tin	ppm	ASTM D5185m	>15	0	1	3
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		26	24	33
Barium	ppm	ASTM D5185m		0	10	0
Molybdenum	ppm	ASTM D5185m		7	2	49
Manganese	ppm	ASTM D5185m		<1	0	2
Magnesium	ppm	ASTM D5185m		815	705	484
Calcium	ppm	ASTM D5185m	2900	1489	1314	1824
Phosphorus	ppm	ASTM D5185m	1100	781	778	944
Zinc	ppm	ASTM D5185m	1200	882	788	1146
Sulfur	ppm	ASTM D5185m	4000	3601	3393	2894
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	6	10
Sodium	ppm	ASTM D5185m		9	6	5
Potassium	ppm	ASTM D5185m	>20	9	7	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	11.4	10.5	9.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2	24.7	21.7
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.7	20.4	17.4
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	4.5	5.0	5.8
. ,	- 0					



## **OIL ANALYSIS REPORT**



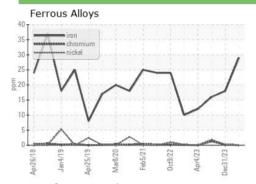




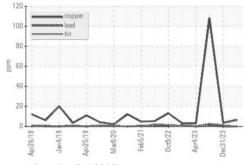
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

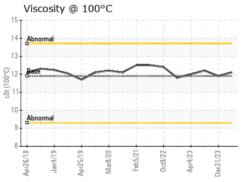
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	11.9	12.1	11.9	12.2

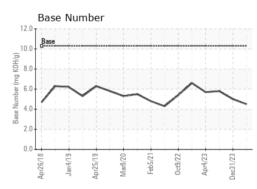
### **GRAPHS**



# Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

: WC0906916 Lab Number : 06159704 Unique Number : 10995127 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Wes Davis LTI/MILKY WAY - SUNNYSIDE

333 MIDVALE RD SUNNYSIDE, WA US 98944

Contact: Barbara Kluever bkluever@lynden.com T: (509)839-5844

\* - 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)

Report Id: LTISUN [WUSCAR] 06159704 (Generated: 04/25/2024 16:32:30) Rev: 1

Contact/Location: Barbara Kluever - LTISUN

F: (509)839-6556