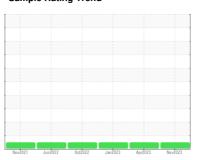


## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



NORMAL



# Machine Id T1962

Component

**Diesel Engine** 

CHEVRON DELO 400 SDE SAE 15W40 (--- 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

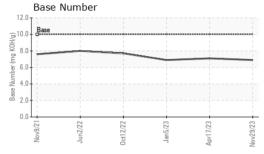
### **Fluid Condition**

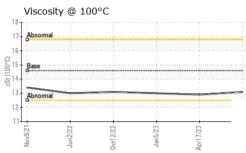
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

,		Nov2021	Jun2022 Oct2022	Jan 2023 Apr 2023	Nov2023	
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0859281	PCA0085431	PCA0085477
Sample Date		Client Info		29 Nov 2023	17 Apr 2023	05 Jan 2023
Machine Age	mls	Client Info		168978	131900	112412
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
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	>110	24	16	15
Chromium	ppm	ASTM D5185m	>4	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	5	4
Lead	ppm	ASTM D5185m	>45	2	3	3
Copper	ppm	ASTM D5185m		- <1	<1	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	рріп		Para It /la a a a a			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		172	247	202
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		120	129	121
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		583	636	633
Calcium	ppm	ASTM D5185m		1439	1519	1528
Phosphorus	ppm	ASTM D5185m	760	636	699	670
Zinc	ppm	ASTM D5185m	800	783	877	869
Sulfur	ppm	ASTM D5185m	3000	2466	2554	2685
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	7	7	6
Sodium	ppm	ASTM D5185m		<1	2	1
Potassium	ppm	ASTM D5185m	>20	13	3	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.7	8.9	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7	24.1	23.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	20.1	19.2
	mg KOH/g	ASTM D2896	10	6.9	7.1	6.9
= 3.55 · 13bor (D14)	99	0	. •	0.0		0.0



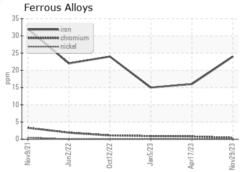
## **OIL ANALYSIS REPORT**

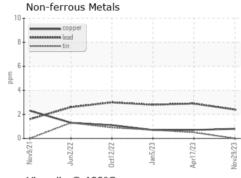


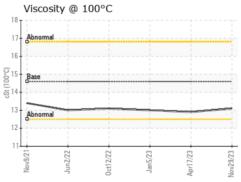


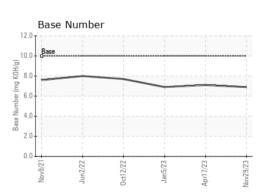
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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	14.6	13.1	12.9	13.0	













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: WC0859281 : 06025534 : 10770034

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Dec 2023 Diagnosed Diagnostician : Wes Davis

: 06 Dec 2023

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)

**Ergon Trucking Inc. - MAG601** 

11337 State Route 800 Magnolia, OH US 44643

Contact: Eddy Smith eddy.smith@ergon.com

> T: F:

Report Id: ERGMAG601 [WUSCAR] 06025534 (Generated: 12/08/2023 04:09:47) Rev: 1

Submitted By: Eddy Smith