

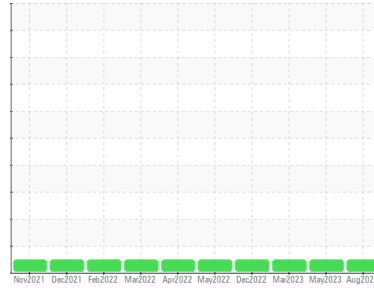
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**T2019**  
Component  
**Diesel Engine**  
Fluid  
**CHEVRON 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0085453</b>	PCA0085440	PCA0085426
Sample Date	Client Info		<b>28 Aug 2023</b>	19 May 2023	06 Mar 2023
Machine Age	mls	Client Info	<b>484475</b>	466215	447204
Oil Age	mls	Client Info	<b>0</b>	18883	0
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >110	<b>24</b>	22	21
Chromium	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m >25	<b>8</b>	7	10
Lead	ppm	ASTM D5185m >45	<b>0</b>	2	4
Copper	ppm	ASTM D5185m >85	<b>3</b>	1	1
Tin	ppm	ASTM D5185m >4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>79</b>	156	137
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>120</b>	123	118
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	<b>645</b>	675	639
Calcium	ppm	ASTM D5185m	<b>1525</b>	1592	1500
Phosphorus	ppm	ASTM D5185m	<b>632</b>	690	628
Zinc	ppm	ASTM D5185m	<b>803</b>	868	781
Sulfur	ppm	ASTM D5185m	<b>2792</b>	2685	2812

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >30	<b>14</b>	29	8
Sodium	ppm	ASTM D5185m >50	<b>2</b>	3	2
Potassium	ppm	ASTM D5185m >20	<b>1</b>	3	2

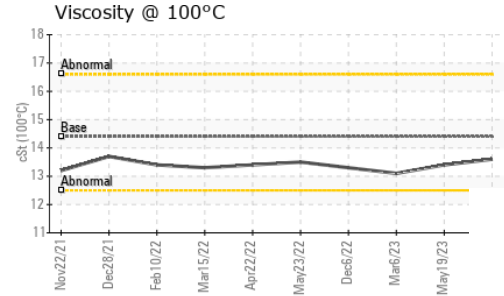
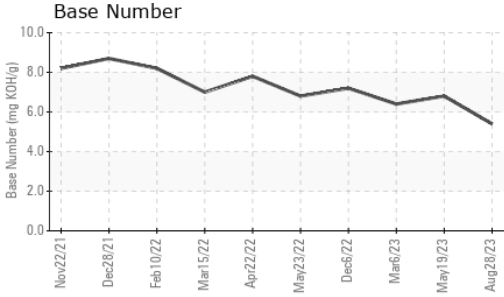
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.7</b>	0.5	0.6
Nitration	Abs/cm	*ASTM D7624 >20	<b>11.8</b>	10.7	10.9
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>27.8</b>	26.4	26.6

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>25.3</b>	23.0	24.6
Base Number (BN)	mg KOH/g	ASTM D2896	<b>5.4</b>	6.8	6.4

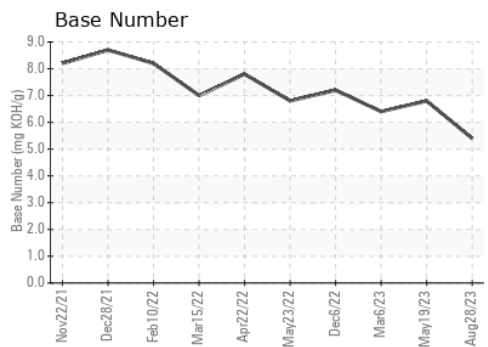
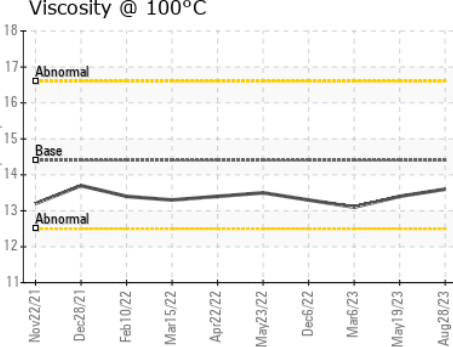
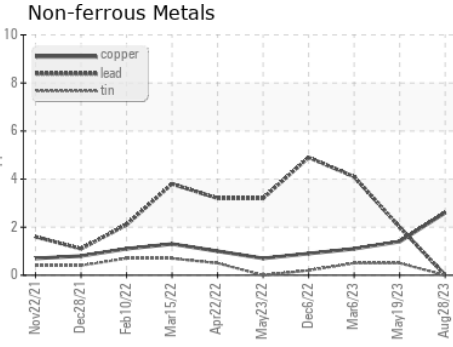
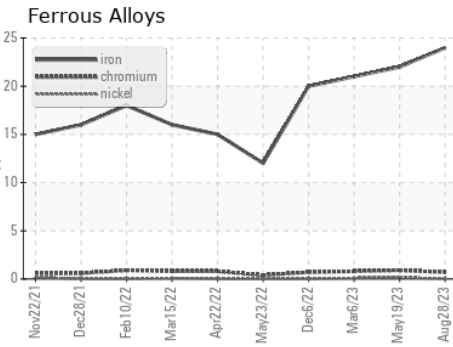
# OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.6</b>	13.4	13.1

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0085453 **Received** : 31 Aug 2023  
**Lab Number** : 05940091 **Diagnosed** : 05 Sep 2023  
**Unique Number** : 10630703 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**Ergon Trucking Inc. - MAG601**  
 11337 State Route 800  
 Magnolia, OH  
 US 44643  
 Contact: Eddy Smith  
 eddy.smith@ergon.com

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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