

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend



#### Machine Id **1806** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

## 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.

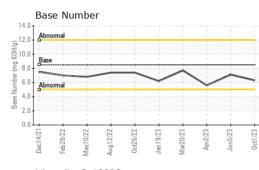


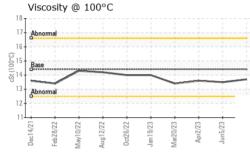


	istory2
	790581
Sample Date Client Info 01 Oct 2023 05 Jun 2023 02 Ap	or 2023
Machine Age mls Client Info 167783 156525 15745	
Oil Age mls Client Info <b>0</b> 0 6000	
Oil Changed Client Info N/A Changed Chan	ged
Sample Status NORMAL NORMAL NORMAL	MAL
CONTAMINATION method limit/base current history1 h	istory2
Fuel WC Method >5 <1.0 <1	.0
Water WC Method >0.2 NEG NEG NE	G
Glycol WC Method NEG NEG NE	G
WEAR METALS method limit/base current history1 h	istory2
Iron ppm ASTM D5185m >100 4 6 8	
Chromium ppm ASTM D5185m >20 <1 <1 <1	
Nickel ppm ASTM D5185m >4 <1 0 0	
Titanium ppm ASTM D5185m <1	
Silver ppm ASTM D5185m >3 0 0 0	
Aluminum ppm ASTM D5185m >20 3 <1 0	
Lead ppm ASTM D5185m >40 <1 0 0	
Copper ppm ASTM D5185m >330 <1 <1 <1	
Tin ppm ASTM D5185m >15 0 <1 0	
Vanadium ppm ASTM D5185m <1 0 0	
Cadmium ppm ASTM D5185m 0 0 0	
ADDITIVES method limit/base current history1 h	istory2
Boron ppm ASTM D5185m 250 105 11 10	
Barium ppm ASTM D5185m 10 0 0 2	
Molybdenum ppm ASTM D5185m 1 00 75 73 67	
Molybdenum ppm ASTM D5185m 100 <b>75</b> 73 67   Manganese ppm ASTM D5185m </th <th></th>	
	5
Manganese ppm ASTM D5185m <1	
Manganese ppm ASTM D5185m <1	73
Manganese ppm ASTM D5185m <1	73 01
Manganese ppm ASTM D5185m <1	73 01 29
Manganese ppm ASTM D5185m <1	73 01 29
Manganese ppm ASTM D5185m <1	73 01 29 37
Manganese ppm ASTM D5185m <1	73 01 29 37
Manganese ppm ASTM D5185m <1	73 01 29 37
Manganese ppm ASTM D5185m <1	73 01 29 37
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Manganese ppm ASTM D5185m <1	73 01 29 37 iistory2 iistory2
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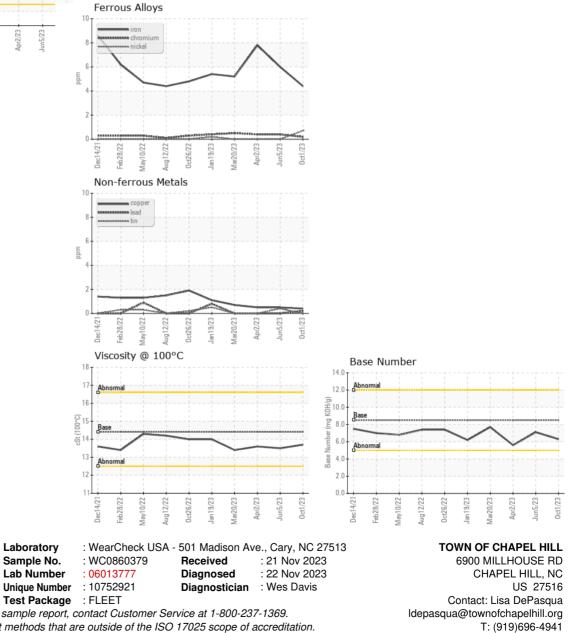


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.7	13.5	13.6
GRAPHS						



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)

Certificate L2367

Contact/Location: Lisa DePasqua - TOWCHANC

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