

### **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

#### Machine Id

# NOT GIVEN WC0931680 NO INFO ON

**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.

#### Wear

Metal levels are typical for a new component breaking in.

#### 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      Sample Number    Client Info    WC0931680       Sample Date    Client Info    08 May 2024       Machine Age    hrs    Client Info    662	history1	
SAMPLE INFORMATIONmethodlimit/basecurrentSample NumberClient InfoWC0931680Sample DateClient Info08 May 2024Machine AgehrsClient Info662		
SAMPLE INFORMATIONmethodlimit/basecurrentSample NumberClient InfoWC0931680Sample DateClient Info08 May 2024Machine AgehrsClient Info662		
SAMPLE INFORMATIONmethodlimit/basecurrentGample NumberClient InfoWC0931680Gample DateClient Info08 May 2024Machine AgehrsClient Info662		
Sample NumberClient InfoWC0931680Sample DateClient Info08 May 2024Machine AgehrsClient Info662		
Sample NumberClient InfoWC0931680Sample DateClient Info08 May 2024Machine AgehrsClient Info662		history2
Sample DateClient Info08 May 2024Machine AgehrsClient Info662		
Machine Age hrs Client Info 662		
5		
Dil Age hrs Client Info 0		
Dil Age  hrs  Client Info  0     Dil Changed  Client Info  Not Changed		
Sample Status NORMAL		
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CONTAMINATION method limit/base current	history1	history2
WC Method>5<1.0		
WaterWC Method>0.2NEG		
Glycol WC Method NEG		
WEAR METALS method limit/base current	history1	history2
ron ppm ASTM D5185m >100 <b>7</b>		
Chromium ppm ASTM D5185m >20 0		
Nickel ppm ASTM D5185m >4 0		
Titanium ppm ASTM D5185m 0		
Silver ppm ASTM D5185m >3 0		
Aluminum ppm ASTM D5185m >20 1		
ead ppm ASTM D5185m >40 <b>1</b>		
Copper      ppm      ASTM D5185m      >330      6		
in      ppm      ASTM D5185m      >15      2		
/anadium ppm ASTM D5185m 0		
Cadmium ppm ASTM D5185m 0		
ADDITIVES method limit/base current	history1	history2
Boron ppm ASTM D5185m 250 57		
Barium ppm ASTM D5185m 10 0		
Aolybdenum ppm ASTM D5185m 100 38		
Manganese ppm ASTM D5185m <1		
Magnesium ppm ASTM D5185m 450 565		
Calcium ppm ASTM D5185m 3000 1626		
Phosphorus      ppm      ASTM D5185m      1150      964		
Zinc ppm ASTM D5185m 1350 1102		
Sulfur ppm ASTM D5185m 4250 3498		
CONTAMINANTS method limit/base current	history1	history2
Silicon ppm ASTM D5185m >25 4		
Sodium      ppm      ASTM D5185m      >158      4		
Potassium ppm ASTM D5185m >20 <1		
INFRA-RED method limit/base current	history1	history2
		· · · · · ·
Soot %      *ASTM D7844      >3      0.3        Jitration      Abs/cm      *ASTM D7624      >20      6.8		
Abs/cm      ASTM D/624      >20      6.8        Sulfation      Abs/.1mm      *ASTM D7415      >30      21.2		
FLUID DEGRADATION method limit/base current	history1	history2
Dxidation Abs/.1mm *ASTM D7414 >25 <b>18.6</b>		



3

30

2!

/ps/cu

10

14.0

0.212.0 0.0 KOH/g) 0.8 Base Number (mg KOH/g) 0.9 CON KOH/g)

2.0

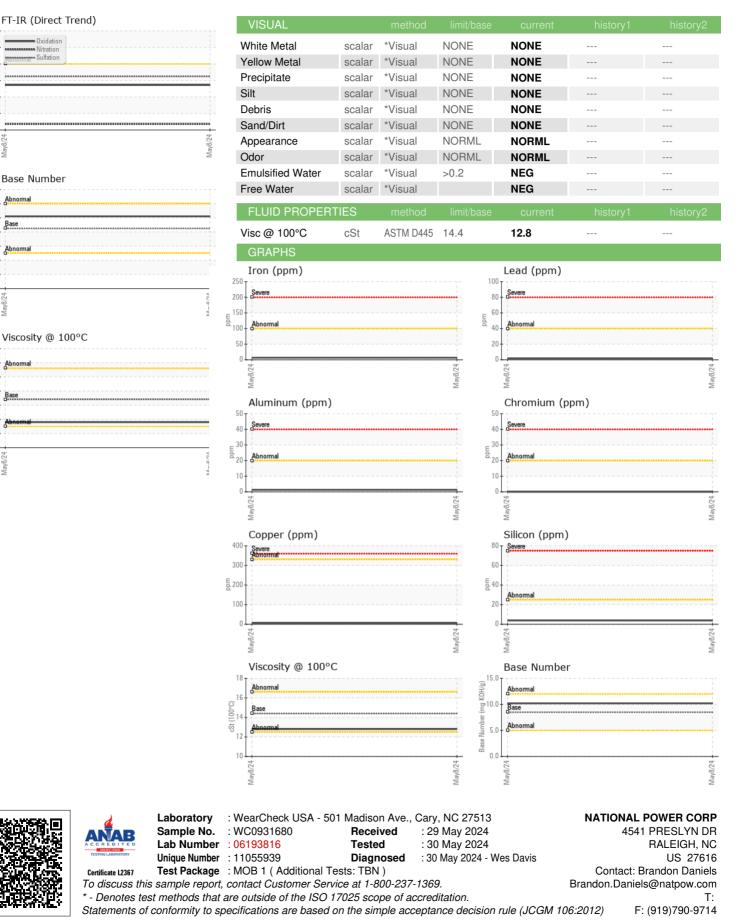
0.0

18 17

16 cSt (100°C) Ba

Mav8/24

## **OIL ANALYSIS REPORT**



Contact/Location: Brandon Daniels - NATRAL