

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **CLEAN BURN HE-SHOP**

Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (--- GAL)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0875422		
Sample Date		Client Info		17 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ATTENTION		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	32		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	4		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	15		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	23		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	33		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	240		
Calcium	ppm	ASTM D5185m	3000	1871		
Phosphorus	ppm	ASTM D5185m	1150	812		
Zinc	ppm	ASTM D5185m	1350	1008		
Sulfur	ppm	ASTM D5185m	4250	3198		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		6		
Sodium	ppm	ASTM D5185m	>158	9		
Potassium	ppm	ASTM D5185m	>20	8		
Fuel	%	ASTM D3524	>5	0.4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	9.1		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.2		



# **OIL ANALYSIS REPORT**

scalar

scalar

scalar

scalar

scalar

scalar

scalar

scalar

\*Visual

\*Visual

\*Visua

\*Visual

\*Visual

\*Visual

\*Visual

\*Visual

scalar \*Visual

scalar \*Visual

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

>0.2

White Metal

Yellow Metal

Precipitate

Silt

Debris

Odor

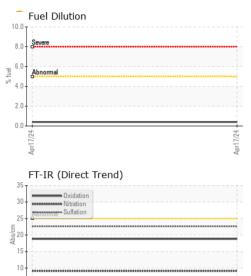
Sand/Dirt

Appearance

Free Water

**Emulsified Water** 

FLUID PROPERTIES





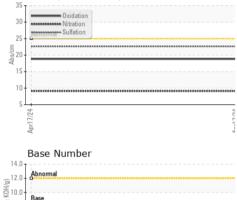
1

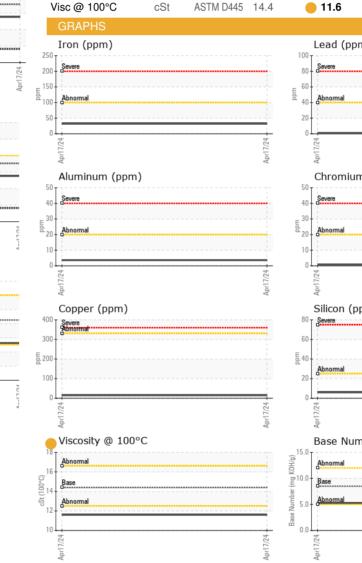
8.0 - Ba

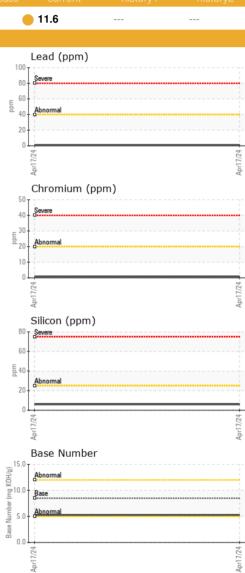
N ase

2.0

Apr17/24







NONE

NONE

NONE

NONE

NONE

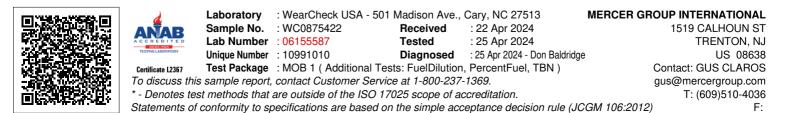
NONE

NORML

NORML

NEG

NEG



Contact/Location: GUS CLAROS - MERTREWC