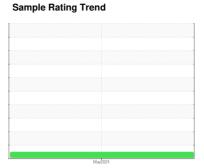


# **OIL ANALYSIS REPORT**

Jai



NORMAL



Machine Id
EMD 310
Component
Diesel Engine

{not provided} (--- 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

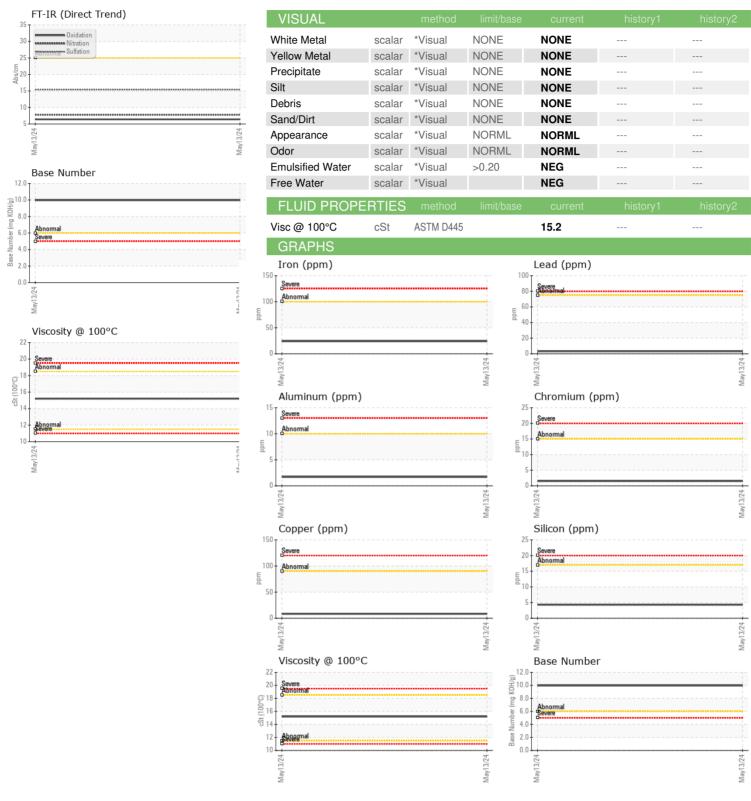
## **Fluid Condition**

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

			1	May2024		
SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0092782		
Sample Date		Client Info		13 May 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>4	<1.0		
Water		WC Method	>0.20	NEG		
Glycol		WC Method		NEG		
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	24		
Chromium	ppm	ASTM D5185m	>15	2		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>75	3		
Copper	ppm	ASTM D5185m	>90	8		
Tin	ppm	ASTM D5185m	>30	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		32		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		46		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		42		
Calcium	ppm	ASTM D5185m		3420		
Phosphorus	ppm	ASTM D5185m		26		
Zinc	ppm	ASTM D5185m		32		
Sulfur	ppm	ASTM D5185m		3249		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm		>17	4		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.1		
Nitration	Abs/cm	*ASTM D7624	>20	7.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	15.4		
FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	6.4		
Base Number (BN	) mg KOH/g	ASTM D2896		9.97		



# **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06188255 Unique Number : 11045007

Test Package : MOB 2

: PCA0092782

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 May 2024 **Tested** : 24 May 2024

Diagnosed : 24 May 2024 - Sean Felton

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. **HOWELL OIL COMPANY** 808 NW 12TH ST

BELLE GLADE, FL US 33430 Contact: JARED HOWELL

jared@howelloil.com T: (561)261-9378

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)