

# **OIL ANALYSIS REPORT**

Sample Rating Trend







6548
Component
Diesel Engine
Fluid
SHELL 15W40 (--- GAL)

#### DIAGNOSIS

Machine Id

#### Recommendation

Oil and filter change at the time of sampling has been noted. 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.

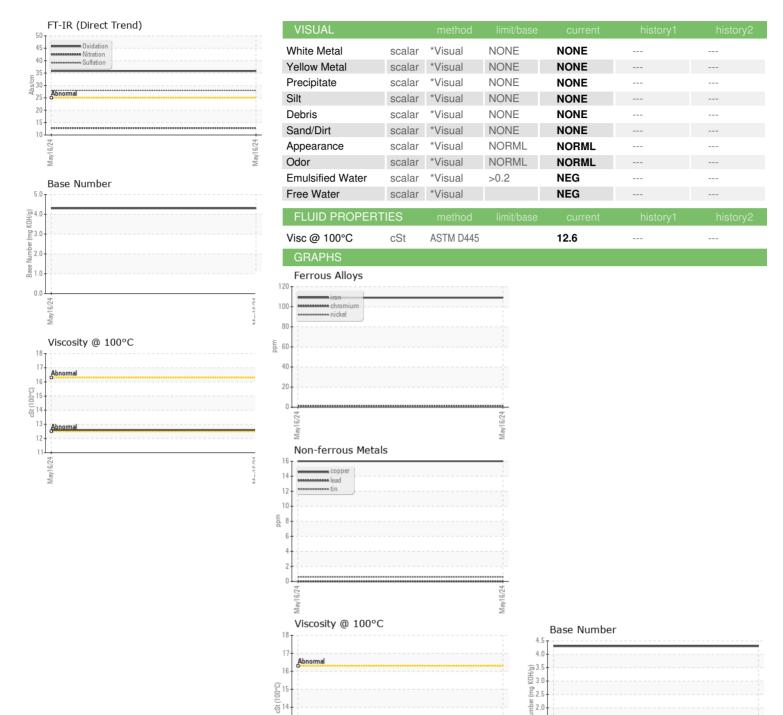
### **Fluid Condition**

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

				May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0926759		
Sample Date		Client Info		16 May 2024		
Machine Age	hrs	Client Info		1378		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>130	109		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	9		
Lead	ppm	ASTM D5185m	>20	0		
Copper	ppm	ASTM D5185m	>125	16		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		40		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		80		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		133		
Calcium	ppm	ASTM D5185m		1760		
Phosphorus	ppm	ASTM D5185m		874		
Zinc	ppm	ASTM D5185m		1098		
Sulfur	ppm	ASTM D5185m		3471		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	16		
Sodium	ppm	ASTM D5185m	>150	2		
Potassium	ppm	ASTM D5185m	>20	21		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	12.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	28.0		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	35.8		
Base Number (BN)	mg KOH/g	ASTM D2896		4.3		
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## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number : 06206151 Unique Number : 11073612

: WC0926759 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** : 12 Jun 2024

: 13 Jun 2024 - Angela Borella Diagnosed

938e 1.0 0.5 0.0

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)

**FLORIDA POWER & LIGHT** 

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