

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **FREIGHTLINER 2206**

Component

Diesel Engine

**ROYAL PURPLE MOTOR OIL 15W40 (--- Q7** 

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

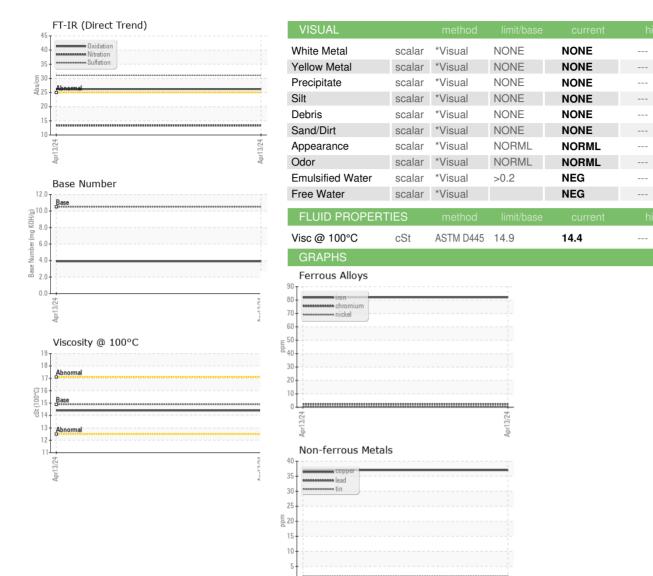
### **Fluid Condition**

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.

S)				Apr2024		
SAMPLE INFORM	/ATION	method	limit/base	current	history1	history2
	(11011	Client Info	mmusacc	WC0719994		
Sample Number		Client Info				
Sample Date  Machine Age	mls	Client Info		13 Apr 2024 323675		
Oil Age	mls	Client Info		100000		
Oil Changed	11115	Client Info		Changed		
Sample Status		Client inio		NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	7 U.L	NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	82		
Chromium	ppm	ASTM D5185m	>6	2		
Vickel	ppm	ASTM D5185m	>3	- <1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>50	9		
_ead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	37		
Fin	ppm	ASTM D5185m	>6	2		
/anadium	ppm	ASTM D5185m		- <1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	100	1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	60	20		
Calcium	ppm	ASTM D5185m	3050	2728		
Phosphorus	ppm	ASTM D5185m	1050	1051		
Zinc	ppm	ASTM D5185m	1200	1216		
Sulfur	ppm	ASTM D5185m	12500	3466		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	9		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	18		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.8		
Nitration	Abs/cm	*ASTM D7624	>20	13.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.1		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.2		



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06174839 Unique Number : 11020892

: WC0719994

₹ 14 13

Test Package : FLEET

Viscosity @ 100°C

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 May 2024

**Tested** : 10 May 2024

Diagnosed : 13 May 2024 - Sean Felton

Base Number

(mg K0H/g)

0.0

974 TN WALTZ PARKWAY ASHLAND CITY, TN US 37015

**DILLON TRANSPORTATION** 

Contact: MASON NICHOLSON M.NICHOLSON@DILLONTRANSPORTATION.COM

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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)