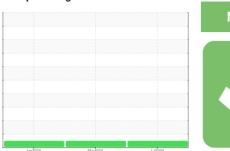


## **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# FREIGHTLINER 1243

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

### 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

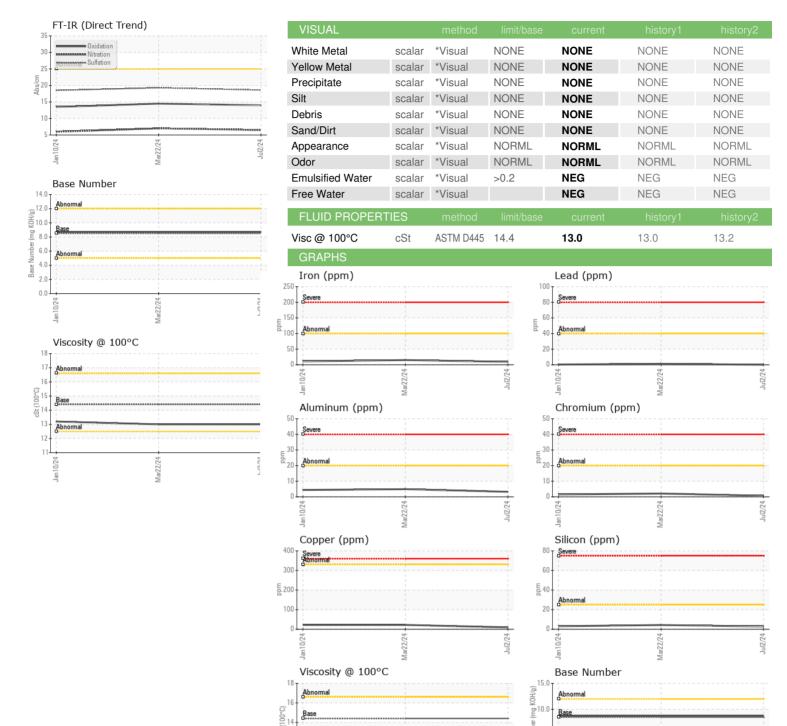
### **Fluid Condition**

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

		Jar	2024	Mar2024 Jut20	24	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0949295	WC0917313	WC0878837
Sample Date		Client Info		02 Jul 2024	22 Mar 2024	10 Jan 2024
Machine Age	mls	Client Info		97673	91900	80938
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	15	11
Chromium	ppm	ASTM D5185m	>20	<1	2	2
Nickel	ppm	ASTM D5185m	>4	0	2	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m		3	5	4
Lead	ppm	ASTM D5185m	>40	0	1	<1
Copper	ppm	ASTM D5185m		10	22	22
Tin	ppm	ASTM D5185m	>15	<1	2	2
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	5	<1	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	100	58	62	55
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m	450	924	937	992
Calcium	ppm	ASTM D5185m	3000	1105	1061	1046
Phosphorus	ppm	ASTM D5185m	1150	1001	1067	1044
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350	1224	1212	1205
	ppm		4250	2946	3169	3004
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	3
Sodium	ppm	ASTM D5185m	>158	<1	<1	1
Potassium	ppm	ASTM D5185m	>20	4	10	10
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.5	7.0	6.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.6	19.3	18.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.5	13.5
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.7	8.7	8.7



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number Unique Number : 11130232

: WC0949295

: 06241398

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** 

: 19 Jul 2024 : 20 Jul 2024 Diagnosed Test Package : MOB 1 ( Additional Tests: TBN )

: 20 Jul 2024 - Wes Davis

0.0

FAYETTEVILLE, NC US 28301 Contact: BRYAN VANNIMAN bryanvanniman@fayblock.com T: (800)326-9198

Contact/Location: BRYAN VANNIMAN - CONFAY

161 BUILDERS BLVD

**CONCRETE SERVICE CO - FAY BLOCK** 

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)