

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

FREIGHTLINER 1233

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

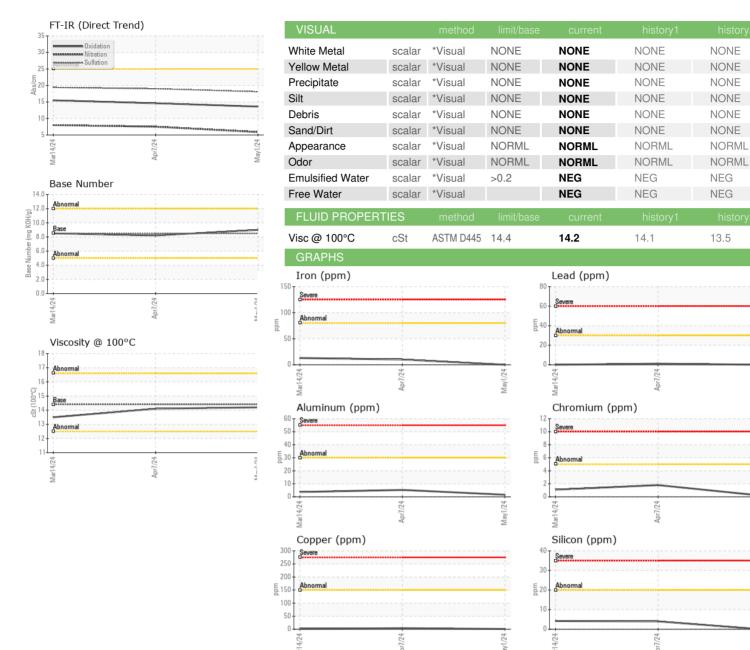
Fluid Condition

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

Mar/2024 Agr/2024 Mary/2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917203	WC0906147	WC0906088
Sample Date		Client Info		01 May 2024	07 Apr 2024	14 Mar 2024
Machine Age	mls	Client Info		136602	131904	100866
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	1	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	>80	0	10	13
Chromium	ppm	ASTM D5185m	>5	<1	2	1
Nickel	ppm	ASTM D5185m	>2	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm			2	5	4
Lead	ppm	ASTM D5185m	>30	0	1	0
Copper	ppm	ASTM D5185m		1	4	1
Tin	ppm		>5	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0	1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m	100	57	56	64
Manganese	ppm	ASTM D5185m		0	1	<1
Magnesium	ppm	ASTM D5185m	450	931	888	1091
Calcium	ppm	ASTM D5185m	3000	1143	1056	1224
Phosphorus	ppm	ASTM D5185m	1150	1027	958	1143
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1233 3553	1194 3232	1369 3678
	ppm					
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m	>20	0	4	4
Potassium	ppm	ASTM D5185m ASTM D5185m	>158	2	<1 11	<1 6
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.9	7.5	8.0
Sulfation	Abs/.1mm	*ASTM D7415		18.1	19.0	19.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	14.6	15.5
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.0	8.2	8.5



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06197260 Unique Number : 11059383

1000

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

Viscosity @ 100°C

: WC0917203 Received **Tested**

Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 03 Jun 2024 : 03 Jun 2024 : 03 Jun 2024 - Wes Davis

15. mg K0H/g)

0.0

Base Number

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

161 BUILDERS BLVD

CONCRETE SERVICE CO - FAY BLOCK

Certificate 12367 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)