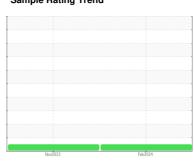


OIL ANALYSIS REPORT

Sample Rating Trend







FREIGHTLINER 1906

Component

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- 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

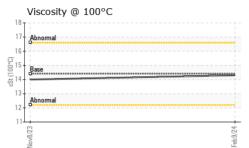
Fluid Condition

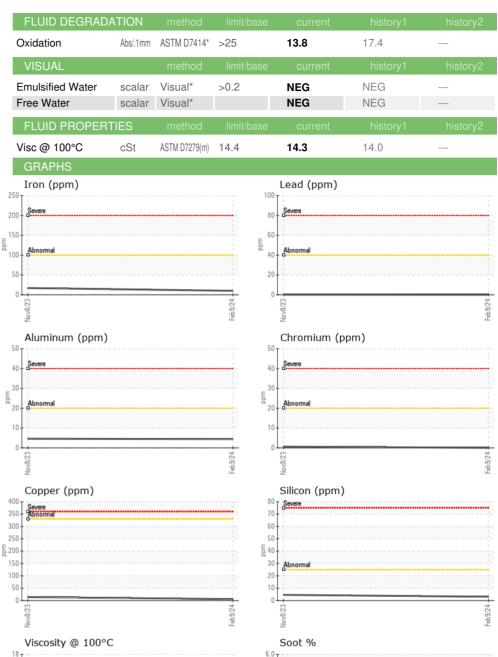
The condition of the oil is acceptable for the time in service.

			Nov2023	Feb2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0889862	WC0776227	
Sample Date		Client Info		09 Feb 2024	08 Nov 2023	
Machine Age	kms	Client Info		285034	0	
Oil Age	kms	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	10	17	
Chromium	ppm	ASTM D5185(m)	>20	0	<1	
Nickel	ppm	ASTM D5185(m)	>4	0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)	>3	0	<1	
Aluminum	ppm	ASTM D5185(m)	>20	4	5	
Lead	ppm	ASTM D5185(m)	>40	0	<1	
Copper	ppm	ASTM D5185(m)	>330	6	14	
Tin	ppm	ASTM D5185(m)	>15	0	<1	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	54	18	
Barium	ppm	ASTM D5185(m)	10	0	0	
Molybdenum	ppm	ASTM D5185(m)	100	91	93	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)	450	30	27	
Calcium	ppm	ASTM D5185(m)	3000	2230	2249	
Phosphorus	ppm	ASTM D5185(m)	1150	998	990	
Zinc	ppm	ASTM D5185(m)	1350	1167	1194	
Sulfur	ppm	ASTM D5185(m)	4250	3142	2915	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	5	
Sodium	ppm	ASTM D5185(m)	>158	2	2	
Potassium	ppm	ASTM D5185(m)	>20	2	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0.3	
Nitration	Abs/cm	ASTM D7624*	>20	8.3	9.8	
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.4	22.7	



OIL ANALYSIS REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0889862 Lab Number : 02623919 Unique Number : 5749038

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Test Package : MOB 1

Received : 22 Mar 2024 : 22 Mar 2024 **Tested** : 22 Mar 2024 - Wes Davis Diagnosed

4.0

1.0 0.0

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

BRITANNIA FLEET SERVICES

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