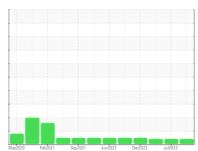


# **OIL ANALYSIS REPORT**

### Sample Rating Trend





Machine Id **FREIGHTLINER 1175** 

Diesel Engine

CHEVRON DELO 400 XLE 15W40 (40 LTR)

#### 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

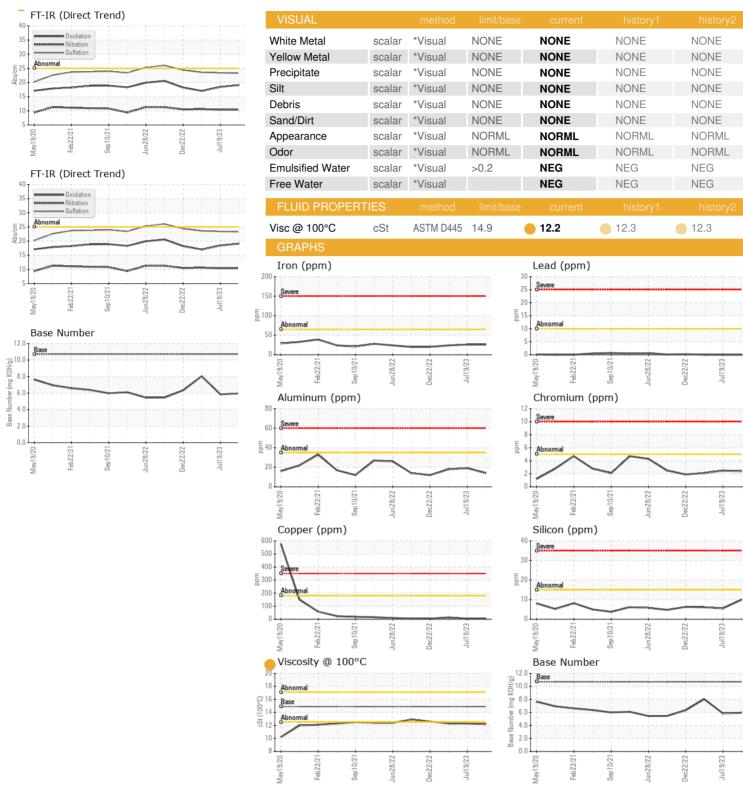
#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

		May2020	Feb2021 Sep2021	Jun2022 Dec2022 J	ul2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0733175	WC0733105	WC0733050
Sample Date		Client Info		27 Mar 2024	19 Jul 2023	14 Mar 2023
Machine Age	kms	Client Info		779785	720945	659456
Oil Age	kms	Client Info		65000	65000	65000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	0.3
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	>65	26	26	24
Chromium	ppm	ASTM D5185m	>5	2	2	2
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>5	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>35	14	19	18
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>180	5	4	14
Tin	ppm	ASTM D5185m	>8	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		24	23	33
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		4	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		735	861	723
Calcium	ppm	ASTM D5185m		1428	1530	1376
Phosphorus	ppm	ASTM D5185m	760	756	810	699
Zinc	ppm	ASTM D5185m	830	860	958	846
Sulfur	ppm	ASTM D5185m	2770	3346	3853	2882
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	10	6	6
Sodium	ppm	ASTM D5185m		4	<1	2
Potassium	ppm	ASTM D5185m	>20	6	9	15
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.7	0.7
Nitration	Abs/cm	*ASTM D7624	>20	10.4	10.4	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	23.4	23.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1	18.4	17.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	5.95	5.84	8.04



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

: WC0733175 Lab Number : 06140118 Unique Number : 10964926 Test Package : MOB 2

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

: 05 Apr 2024 **Tested** : 08 Apr 2024 Diagnosed : 08 Apr 2024 - Don Baldridge

LYNDEN TRANSPORT - SPRUCE GROVE 27340 ACHESON RD, ACHESON INDUSTRIAL PARK

ACHESON, AB **CA T7X 6B1** Contact: Mathieu Carby

mcarby@lynden.com

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)

T:

F: