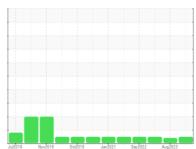


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id FREIGHTLINER 1158

Component

Diesel Engine

CHEVRON DELO 400 XLE 15W40 (40 LTR)

### 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 BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		Jul2018	Nov2018 Oct2019	Jan2021 Sep2022 A	ug2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0851843	WC0733117	WC0733070
Sample Date		Client Info		12 Apr 2024	14 Aug 2023	09 May 2023
Machine Age	mls	Client Info		562218	522044	485594
Oil Age	mls	Client Info		40000	40000	40000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	0.4	<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	>65	6	21	25
Chromium	ppm	ASTM D5185m	>5	<1	1	<1
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>5	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>35	4	5	8
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>180	4	<1	3
Tin	ppm	ASTM D5185m	>8	<1	<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		234	17	17
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		74	<1	13
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		374	839	696
Calcium	ppm	ASTM D5185m		1563	1584	1543
Phosphorus	ppm	ASTM D5185m	760	995	815	741
Zinc	ppm	ASTM D5185m	830	1169	985	908
Sulfur	ppm	ASTM D5185m	2770	3502	3889	3480
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	6	6
Sodium	ppm	ASTM D5185m		2	<1	3
Potassium	ppm	ASTM D5185m	>20	<1	4	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	1	0.9
Nitration	Abs/cm	*ASTM D7624	>20	7.7	10.9	11.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	25.1	25.5
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.5	20.4	20.6
Acid Number (AN)	mg KOH/g	ASTM D8045		1.14		
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	7.16	5.13	6.48

Contact/Location: Mathieu Carby - LYNSPR



## **OIL ANALYSIS REPORT**







Sample No. : WC0851843 Lab Number : 06156201 Unique Number: 10991624

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024

**Tested** : 23 Apr 2024 Diagnosed : 24 Apr 2024 - Sean Felton

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

ACHESON, AB **CA T7X 6B1** Contact: Mathieu Carby mcarby@lynden.com

Test Package : MOB 2 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)

Report Id: LYNSPR [WUSCAR] 06156201 (Generated: 04/24/2024 12:00:57) Rev: 1

Contact/Location: Mathieu Carby - LYNSPR

T:

F: