

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# **FREIGHTLINER 1127**

Rear Differential

CHEVRON DELO SYNTHETIC GEAR 75W90 (40 LTR)

## 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

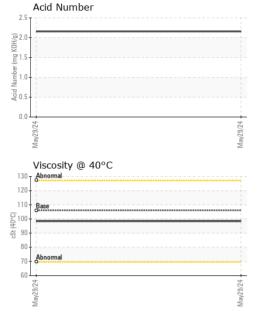
## **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0851787		
Sample Date		Client Info		29 May 2024		
Machine Age	kms	Client Info		480356		
Oil Age	kms	Client Info		480356		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	157		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	7		
Lead	ppm	ASTM D5185m	>25	0		
Copper	ppm	ASTM D5185m	>100	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		317		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		8		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		1		
Phosphorus	ppm	ASTM D5185m		1673		
Zinc	ppm	ASTM D5185m		9		
Sulfur	ppm	ASTM D5185m		32372		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	55		
Sodium	ppm	ASTM D5185m		10		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.158		



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	106	98.4		
SAMPLE IMAGES	,	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Iron (ppm)			150	Lead (ppm)		
Severe			150	Severe		
Abnormal			Ē <sup>100</sup>	Ahnormal		
0						
May29/24			May29/24	May29/24		Mav29/24
3				>		2
			May	_		Ŝ
Aluminum (ppm)				Chromium (p	pm)	W
Aluminum (ppm)				Chromium (p	pm)	ž
Aluminum (ppm)				Chromium (p	pm)	S
Aluminum (ppm)			30 E 20	Chromium (p	pm)	
Aluminum (ppm)			30 E 20	Chromium (p	pm)	
Aluminum (ppm) Severe Abnormal			30 E 20	Chromium (p		
Aluminum (ppm)  Sewere  Abnormal  42/62/keW  Copper (ppm)			30 E 20	Chromium (p		
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)			300 and 100 an	Chromium (p		
Aluminum (ppm)  Severe  Abnomal  Copper (ppm)  Severe  Abnomal			300 mg 200 mg 100 mg 10	Chromium (p  Severe  Abnormal  Filicon (ppm)  Severe  Abnormal		
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe Abnormal			300 mg 100	Chromium (p  Severe  Abnormal  Filicon (ppm)  Severe  Abnormal		Mav29.74
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe Abnormal			300 mg 100	Chromium (p  Severe  Abnormal  Filicon (ppm)  Severe  Abnormal		40000mM
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Abnormal  Abnormal			300 mqq 100 mq	Chromium (p		40000mM
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			300 mqq 100 mq	Chromium (p		40000mM
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			300 mqq 100 mq	Chromium (p		40000mM
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe Abnormal  Viscosity @ 40°C			300 mqq 100 mq	Chromium (p		Mav29.74
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe  Abnormal  Viscosity @ 40°C			300 mgq 100 mg/29/24 wg 29/24 g mg 20/29/24	Chromium (p  Severe  Abnormal  Silicon (ppm)  Severe  Abnormal  Acid Number		Max29.74
Aluminum (ppm)  Severe  Abnormal  Copper (ppm)  Severe Abnormal  Viscosity @ 40°C			300 mg 100	Chromium (p		May2924 May2924 May2924 May2924





Certificate 12367

Laboratory

**Sample No.** : WC0851787 Lab Number : 06201617 Unique Number : 11063740

mdd

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024

Tested : 07 Jun 2024 : 09 Jun 2024 - Don Baldridge Diagnosed

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)

Contact/Location: Mathieu Carby - LYNSPR

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