



# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id

## FREIGHTLINER 1127

Component

### Front Differential

Fluid

### CHEVRON DELO SYNTHETIC GEAR 75W90 (40 LTR)

#### DIAGNOSIS

##### ▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

##### Wear

All component wear rates are normal.

##### ▲ Contamination

Elemental level of silicon (Si) above normal.

##### Fluid Condition

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

#### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0851788</b>	---	---
Sample Date	Client Info		<b>29 May 2024</b>	---	---
Machine Age	kms	Client Info	<b>480356</b>	---	---
Oil Age	kms	Client Info	<b>480356</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

#### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

#### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>273</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	---
Copper	ppm	ASTM D5185m	>100	<b>1</b>	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

#### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>278</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---
Manganese	ppm	ASTM D5185m		<b>11</b>	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	---
Calcium	ppm	ASTM D5185m		<b>0</b>	---
Phosphorus	ppm	ASTM D5185m		<b>1449</b>	---
Zinc	ppm	ASTM D5185m		<b>7</b>	---
Sulfur	ppm	ASTM D5185m		<b>27255</b>	---

#### CONTAMINANTS

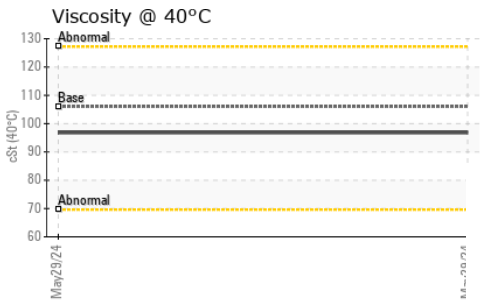
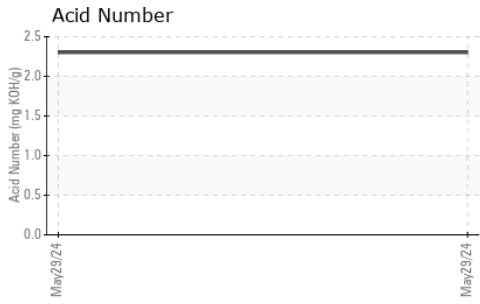
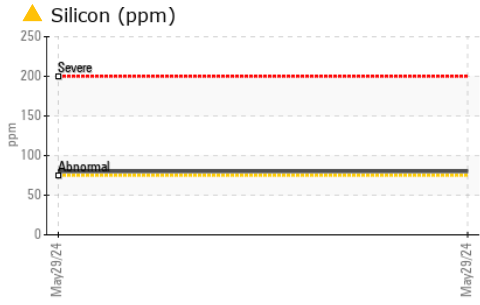
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>▲ 80</b>	---
Sodium	ppm	ASTM D5185m		<b>9</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---

#### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>2.302</b>	---



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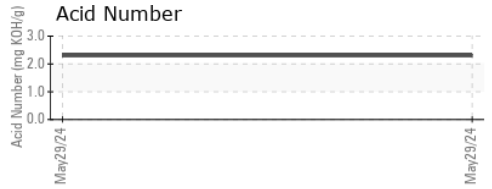
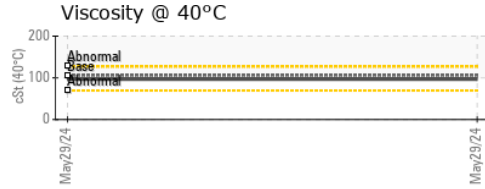
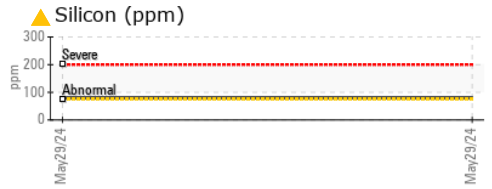
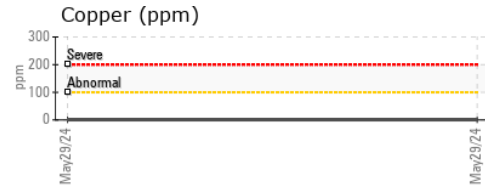
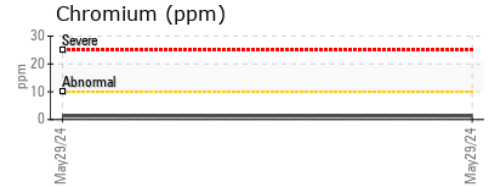
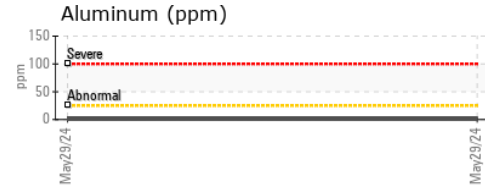
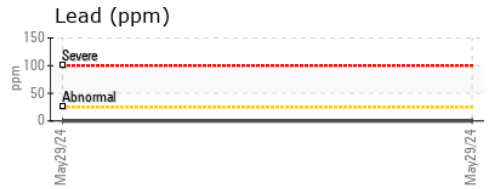
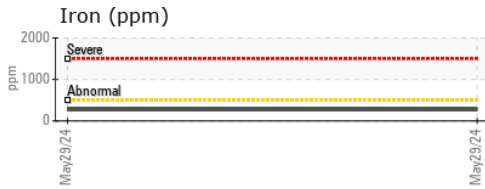
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 106	96.8	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0851788  
**Lab Number** : 06201616  
**Unique Number** : 11063739  
**Test Package** : MOB 2

**Received** : 06 Jun 2024  
**Tested** : 07 Jun 2024  
**Diagnosed** : 09 Jun 2024 - Don Baldrige

**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)