

## **OIL ANALYSIS REPORT**

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

Oil Age

Water

Glycol

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Boron

Barium

**ADDITIVES** 

Molybdenum

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ppm

%

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D5185m

method

ASTM D5185m

ASTM D5185m

ASTM D5185m

ASTM D3524 >3.0

ASTM D5185m 943

0

2046

1043

5012

>25

>20

limit/base

Manganese

Magnesium

Phosphorus

**CONTAMINANTS** 

Calcium

Zinc

Sulfur

Silicon

Sodium

Fuel

Potassium

Titanium

Aluminum

Chromium

### Machine Id **CAPACITY 0807100**

**Front Diesel Engine** 

CHEVRON DELO 400 MULTIGRADE 15W40 (17 QTS)

#### DIAGNOSIS

#### Recommendation

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

#### Wear

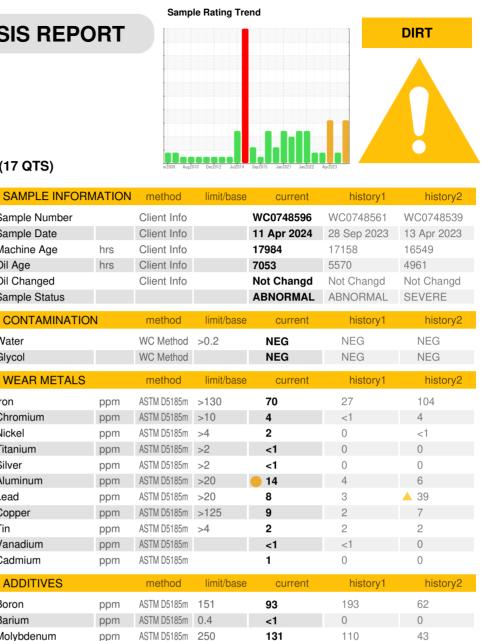
All component wear rates are normal.

#### Contamination

There is a moderate amount of fuel present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil.



2

833

2248

1091

1257

3778

16

30

4.3

41

current

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	2.5	1.1	1.9
Nitration	Abs/cm	*ASTM D7624	>20	20.2	13.0	19.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	34.7	26.3	37.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	34.2	24.3	47.3
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	8.6	8.7	5.0

2

566

1390

644

824

2511

9

21

17

27.3

history2

<1

749

1627

775

940

2676

6

7

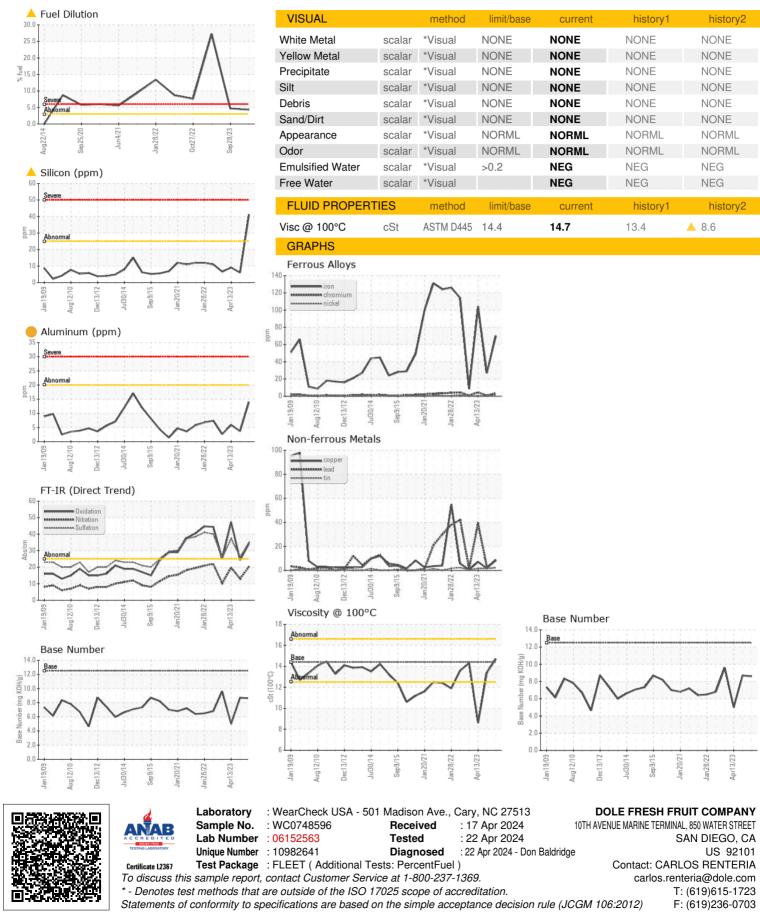
17

4.7

history1



# **OIL ANALYSIS REPORT**



Report Id: DOLSANCA [WUSCAR] 06152563 (Generated: 04/22/2024 14:13:26) Rev: 1

Contact/Location: CARLOS RENTERIA - DOLSANCA

Page 2 of 2