

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



Machine Id SZLG233032

Diesel Engine

CHEVRON 15W40 (--- QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

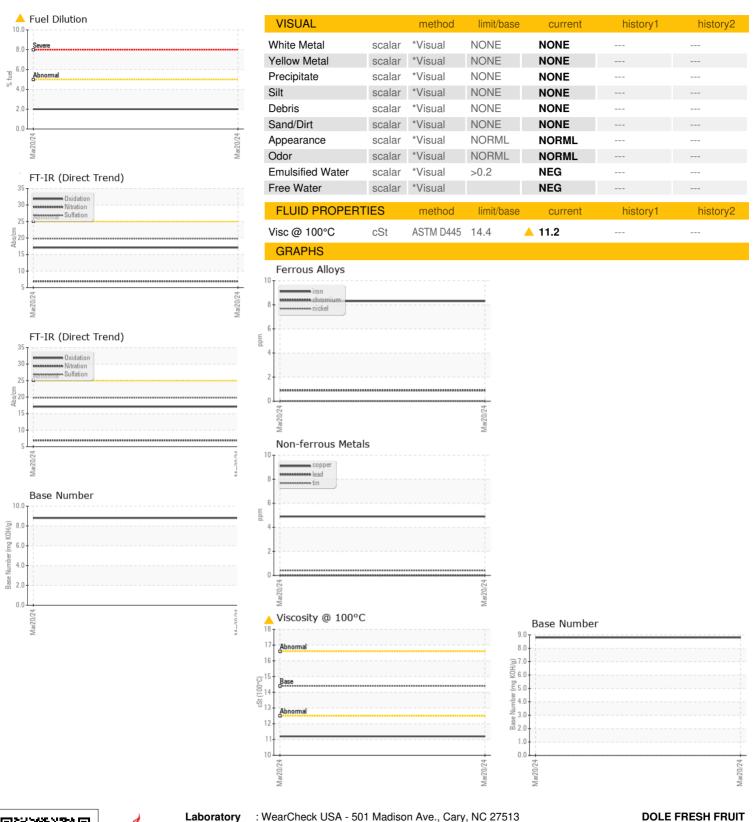
Fluid Condition

Sulfur ppm levels are abnormally high. Visc @ 100°C is abnormally low. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity.

				Mar2024		
CAMPLE INCOR	AATION		lineit/lenen		lata a must	la i a ta m . O
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0905080		
Sample Date		Client Info		20 Mar 2024		
Machine Age	hrs	Client Info		1198		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	8		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	5		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		96		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		56		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		379		
Calcium	ppm	ASTM D5185m		1758		
Phosphorus	ppm	ASTM D5185m		983		
Zinc	ppm	ASTM D5185m		1175		
Sulfur	ppm	ASTM D5185m		▲ 3722		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m	>50	12		
Potassium	ppm	ASTM D5185m	>20	0		
Fuel	%	ASTM D3524	>5	2.0		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.9		
Sulfation	Abs/.1mm	*ASTM D7415		19.8		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		17.1		
Base Number (BN)	mg KOH/g	ASTM D2896	2.20	8.8		
	0 - 9					



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0905080 Lab Number : 06137963

Unique Number : 10962771

Received **Tested** Diagnosed

: 03 Apr 2024 : 08 Apr 2024 Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

: 08 Apr 2024 - Wes Davis

GULFPORT, MS US 39502 Contact: JORDAN JOHNSTON jordan.johnston@dole.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

F: (228)867-2970 Contact/Location: JORDAN JOHNSTON - DOLGUL

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