

OIL ANALYSIS REPORT

Sample Rating Trend







SZLG730098
Component
Diesel Engine

CHEVRON 15W40 (--- QTS)

DIAGN	10 - 10
DIAGIN	

Machine Id

Recommendation

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

There is no indication of any contamination in the oil.

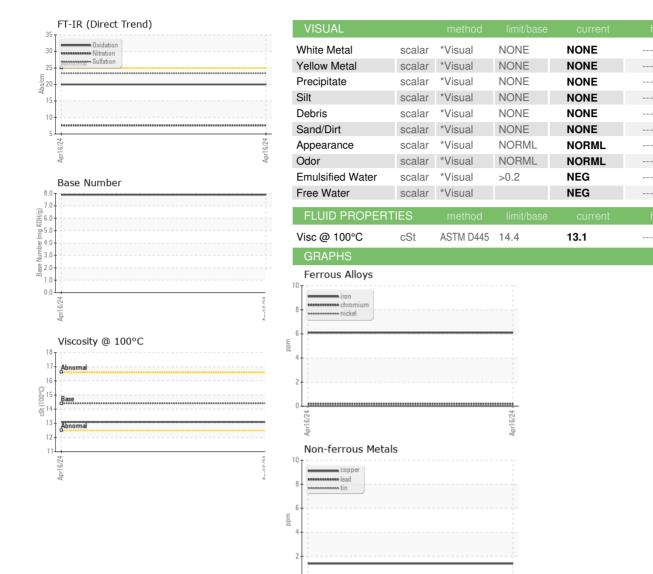
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 hist Sample Number Client Info 16 Apr 2024 Machine Age hrs Client Info 1500 Client Info 1500 Client Info Changed Client Info Changed Changed -					Apr2024		
Sample Number Client Info WC0905069							
Sample Date Client Info	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 4768 Oil Age hrs Client Info 1500 Oil Changed Client Info Changed Sample Status NORMAL CONTAMINATION method limit/base current history1 hist Fuel WC Method >5 <1.0	Sample Number		Client Info		WC0905069		
Oil Age hrs Client Info 1500	Sample Date		Client Info		16 Apr 2024		
Contamped Client Info Changed Normal Contamped Normal Contamped Normal Contamped Normal Contamped Normal Contamped Normal Contamped Contamped	Machine Age	hrs	Client Info		4768		
NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NOR	Oil Age	hrs	Client Info		1500		
CONTAMINATION	-		Client Info		_		
Fuel	Sample Status				NORMAL		
Water WC Method >0.2 NEG Glycol WC Method NEG WEAR METALS method limit/base current history1 hist Iron ppm ASTM D5185m >100 6 Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >20 <1 Aluminum ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >40 0 Lead ppm ASTM D5185m >40 0 Lead ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >330 1 <	CONTAMINATION	1	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 hist Iron ppm ASTM D5185m >100 6 Ohromium ppm ASTM D5185m >20 <1	Water		WC Method	>0.2	NEG		
Iron	Glycol		WC Method		NEG		
Chromium ppm ASTM D5185m >20 <1 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 4 Lead ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >330 1 Vanadium ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 395 Cadmium ppm ASTM D5185m 395 Boron ppm ASTM D5185m 136 Barium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	6		
Titanium	Chromium	ppm	ASTM D5185m	>20	<1		
Silver	Nickel	ppm	ASTM D5185m	>4	0		
Aluminum ppm ASTM D5185m >20 4 Copper ppm ASTM D5185m >40 0 Tin ppm ASTM D5185m >15 <1	Titanium	ppm	ASTM D5185m		<1		
Lead	Silver	ppm	ASTM D5185m	>3	0		
Copper ppm ASTM D5185m >330 1 Tin ppm ASTM D5185m >15 <1	Aluminum	ppm	ASTM D5185m	>20	4		
Tin	Lead	ppm	ASTM D5185m		0		
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 hist Boron ppm ASTM D5185m 395 Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 136 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 1540 Calcium ppm ASTM D5185m 789 Phosphorus ppm ASTM D5185m 915 Zinc ppm ASTM D5185m 2767 Sulfur ppm ASTM D5185m >25 5 CONTAMINANTS method limit/base current h	Copper	ppm		>330	1		
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Boron	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 136 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 668 Calcium ppm ASTM D5185m 1540 Phosphorus ppm ASTM D5185m 789 Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *	Boron	ppm	ASTM D5185m		395		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 668 Calcium ppm ASTM D5185m 1540 Phosphorus ppm ASTM D5185m 789 Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs	Barium	ppm	ASTM D5185m		1		
Magnesium ppm ASTM D5185m 668 Calcium ppm ASTM D5185m 1540 Phosphorus ppm ASTM D5185m 789 Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulf	Molybdenum	ppm	ASTM D5185m		136		
Calcium ppm ASTM D5185m 1540 Phosphorus ppm ASTM D5185m 789 Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4 <td>Manganese</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td></td> <td></td>	Manganese	ppm	ASTM D5185m		0		
Phosphorus ppm ASTM D5185m 789 Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	<u> </u>	ppm					
Zinc ppm ASTM D5185m 915 Sulfur ppm ASTM D5185m 2767 Sulfur ppm ASTM D5185m 2767 Sulfur ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Sulfation Abs/cm *ASTM D7844 >3 0.1 Sulfation Abs/cm *ASTM D7845 >30 23.4 Sulfation Abs/.1mm *ASTM D7845 >30 23.4 Sulfation Abs/.1mm *ASTM D7845 >30 23.4 Sulfation Abs/.1mm *ASTM D7845 >30 23.4 Sulfation Abs/.1mm *ASTM D7845 >30 23.4 -		ppm					
Sulfur ppm ASTM D5185m 2767 CONTAMINANTS method limit/base current history1 hist Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4		ppm					
CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4							
Silicon ppm ASTM D5185m >25 5 Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	Sulfur	ppm	ASTM D5185m		2767		
Sodium ppm ASTM D5185m >50 0 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 hist Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4		ppm	ASTM D5185m	>25	5		
INFRA-RED method limit/base current history1 history1 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	Sodium	ppm	ASTM D5185m	>50	0		
Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	Potassium	ppm	ASTM D5185m	>20	2		
Nitration Abs/cm *ASTM D7624 >20 7.6 Sulfation Abs/.1mm *ASTM D7415 >30 23.4	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 23.4	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	7.6		
FLUID DEGRADATION method limit/base current history1 history1	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.4		
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.0		
Base Number (BN) mg KOH/g ASTM D2896 7.9	Base Number (BN)	mg KOH/g	ASTM D2896		7.9		



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number : 06204154 Unique Number : 11071615

:St (100°C)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0905069 Received : 10 Jun 2024 **Tested** : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Wes Davis

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Viscosity @ 100°C

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

DOLE FRESH FRUIT PO BOX 1689 GULFPORT, MS

US 39502 Contact: JORDAN JOHNSTON jordan.johnston@dole.com

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

Base Number

4.0

1.0 0.0

T: