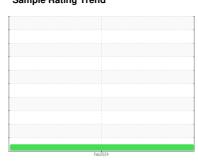


OIL ANALYSIS REPORT

Sample Rating Trend







EASG101467

Component

Diesel Engine

CHEVRON 15W40 (--- QTS)

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Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

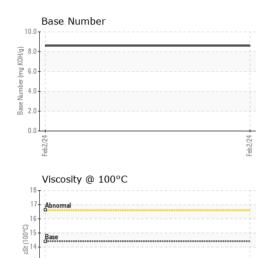
Fluid Condition

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 history2					Feb2024		
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info 4454	Sample Number		Client Info		WC0880928		
Machine Age hrs Client Info 1500 Oil Age hrs Client Info 1500 Oil Changed Client Info Changed Sample Status Image: Client Info Changed CONTAMINATION method Imitibase current history1 history2 Water WC Method NEG Iron ppm ASTM D5185m >100 6 Iron ppm ASTM D5185m >20 0 Iron ppm ASTM D5185m >20 0 Iron ppm ASTM D5185m >20 0 Iron ppm ASTM D5185m >3 0 Iron ppm ASTM D5185m >20 3 Iron ppm ASTM D5185m <td></td> <td></td> <td>Client Info</td> <td></td> <th>02 Feb 2024</th> <td></td> <td></td>			Client Info		02 Feb 2024		
Oil Age hrs Client Info 1500		hrs	Client Info		4454		
Oil Changed Sample Status Client Info Changed NORMAL CONTAMINATION method limit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 6 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >20 0 Silver ppm ASTM D5185m >20 3 Aluminum ppm ASTM D5185m >20 3 Copper ppm ASTM D5185m >330 7 Tin ppm ASTM D5185m >330 7 Vanadium ppm ASTM D5185m 297		hrs	Client Info		1500		
Sample Status	-		Client Info		Changed		
Water Glycol WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >10.0 6 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >40 0 Silver ppm ASTM D5185m >20 3 Silver ppm ASTM D5185m >40 0 Silver ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m 0	-						
WEAR METALS	CONTAMINATIO	N	method	limit/base	current	history1	history2
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 6	Water		WC Method	>0.2	NEG		
Iron	Glycol		WC Method		NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	6		
Titanium	Chromium	ppm	ASTM D5185m	>20	0		
Silver	Nickel	ppm	ASTM D5185m	>4	0		
Aluminum ppm ASTM D5185m >20 3 Lead ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >330 7 Tin ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m 1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 119 Magnesium ppm ASTM D5185m 1520 Calcium ppm ASTM D5185m 1520 Phosphorus ppm ASTM	Titanium	ppm	ASTM D5185m		<1		
Lead	Silver	ppm	ASTM D5185m	>3	0		
Copper ppm ASTM D5185m >330 7 Tin ppm ASTM D5185m >15 0 Vanadium ppm ASTM D5185m <1	Aluminum		ASTM D5185m	>20	3		
Tin	Lead	ppm	ASTM D5185m	>40	0		
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 297 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 119 Manganese ppm ASTM D5185m 679 Magnesium ppm ASTM D5185m 1520 Calcium ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 2963 Sulfur ppm ASTM D5185m >22 4 Sulfur ppm ASTM D5185m >50 2 Sodium ppm ASTM D5185m >20	Copper	ppm	ASTM D5185m	>330	7		
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 297 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 119 Manganese ppm ASTM D5185m 679 Magnesium ppm ASTM D5185m 1520 Calcium ppm ASTM D5185m 760 Phosphorus ppm ASTM D5185m 862 Zinc ppm ASTM D5185m 2963 Sulfur ppm ASTM D5185m >25 4 Solicon ppm ASTM D5185m >25 4 <td>Tin</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>15</td> <th>0</th> <td></td> <td></td>	Tin	ppm	ASTM D5185m	>15	0		
Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 297 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 119 Manganese ppm ASTM D5185m 679 Magnesium ppm ASTM D5185m 1520 Calcium ppm ASTM D5185m 760 Phosphorus ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 Sulfur ppm ASTM D5185m >25 4 Sulicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 <td>Vanadium</td> <td></td> <td>ASTM D5185m</td> <td></td> <th><1</th> <td></td> <td></td>	Vanadium		ASTM D5185m		<1		
Boron	Cadmium	ppm	ASTM D5185m		0		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 119 Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 679 Calcium ppm ASTM D5185m 1520 Phosphorus ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >50 2 Sodium ppm ASTM D5185m >50 2 Fuel % ASTM D5185m >20 <1 INFRA-RED method limit/base current history1 history2 Soot % "ASTM D7844	Boron	ppm	ASTM D5185m		297		
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 679 Calcium ppm ASTM D5185m 1520 Phosphorus ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 4 Fuel % ASTM D5185m >20 <1 INFRA-RED method limit/base current history1 history2 Soot % <th< td=""><td>Barium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>0</th><td></td><td></td></th<>	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 679 Calcium ppm ASTM D5185m 1520 Phosphorus ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1	Molybdenum	ppm	ASTM D5185m		119		
Calcium ppm ASTM D5185m 1520 Phosphorus ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1	Manganese	ppm	ASTM D5185m		<1		
Phosphorus ppm ASTM D5185m 760 Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 <t< td=""><td>Magnesium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>679</th><td></td><td></td></t<>	Magnesium	ppm	ASTM D5185m		679		
Zinc ppm ASTM D5185m 862 Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current hi	Calcium	ppm	ASTM D5185m		1520		
Sulfur ppm ASTM D5185m 2963 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1	Phosphorus	ppm	ASTM D5185m		760		
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1	Zinc	ppm	ASTM D5185m		862		
Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Sulfur	ppm	ASTM D5185m		2963		
Sodium ppm ASTM D5185m >50 2 Potassium ppm ASTM D5185m >20 <1 Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <1 Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Silicon	ppm	ASTM D5185m	>25	4		
Fuel % ASTM D3524 >5 <1.0 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Sodium	ppm	ASTM D5185m	>50	2		
INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Potassium	ppm	ASTM D5185m	>20	<1		
Soot % % *ASTM D7844 >3 0.1 Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Fuel	%	ASTM D3524	>5	<1.0		
Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	INFRA-RED		method	limit/base	current	history1	history2
Nitration Abs/cm *ASTM D7624 >20 6.5 Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Soot %	%	*ASTM D7844	>3	0.1		
Sulfation Abs/.1mm *ASTM D7415 >30 22.4 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 17.2	Nitration	Abs/cm	*ASTM D7624	>20			
Oxidation							
	FLUID DEGRADA		method	limit/base	current	history1	history2
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OIL ANALYSIS REPORT

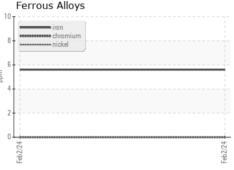


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	TIES	method	limit/base	current	history1	history2

12.4

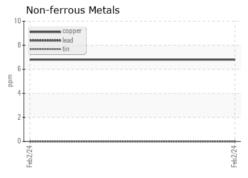
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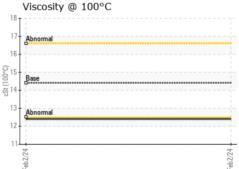
Visc @ 100°C

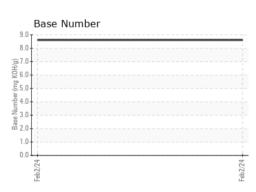


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ASTM D445 14.4











Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0880928 Lab Number : 06122908

Received Unique Number : 10937059

: 19 Mar 2024 **Tested** Diagnosed Test Package: FLEET (Additional Tests: FuelDilution)

: 20 Mar 2024 : 20 Mar 2024 - Jonathan Hester **DOLE FRESH FRUIT** PO BOX 1689 GULFPORT, MS US 39502

Contact: JORDAN JOHNSTON jordan.johnston@dole.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)

Report Id: DOLGUL [WUSCAR] 06122908 (Generated: 03/20/2024 17:18:06) Rev: 1

Contact/Location: JORDAN JOHNSTON - DOLGUL

F: (228)867-2970

T: