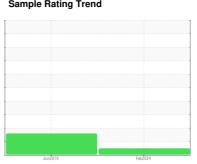


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



CARRIER DFGS273373

Component

Diesel Engine

CHEVRON 15W40 (16 QTS)

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Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

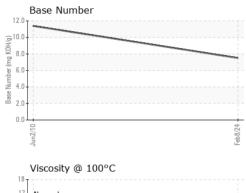
Fluid Condition

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

			Jun2010	Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0880968	WCMF853567	
Sample Date		Client Info		08 Feb 2024	02 Jun 2010	
Machine Age	hrs	Client Info		11313	54110	
Oil Age	hrs	Client Info		1500	1502	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
Glycol		WC Method		NEG	NEG	
			11 11 11		11.4	111
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	43	32	
Chromium	ppm	ASTM D5185m	>10	2	2	
Nickel	ppm	ASTM D5185m	>5	0	<1	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m	>5	0	0	
Aluminum	ppm	ASTM D5185m	>20	15	7	
Lead	ppm	ASTM D5185m	>40	0	3	
Copper	ppm	ASTM D5185m		2	10	
Tin	ppm	ASTM D5185m	>10	0	1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current	history1	history2
	ppm		limit/base		•	history2
Boron		ASTM D5185m	limit/base	114	17	
Boron Barium	ppm	ASTM D5185m ASTM D5185m	limit/base	114 0	17 1	
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107	17 1 8	
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107 <1	17 1 8 2	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107 <1 371	17 1 8 2 64	
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107 <1 371 2023	17 1 8 2 64 2520	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107 <1 371 2023 782	17 1 8 2 64 2520 977	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	114 0 107 <1 371 2023 782 934	17 1 8 2 64 2520 977 1062	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		114 0 107 <1 371 2023 782 934 2839	17 1 8 2 64 2520 977 1062 2964	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	114 0 107 <1 371 2023 782 934 2839 current	17 1 8 2 64 2520 977 1062 2964 history1	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	114 0 107 <1 371 2023 782 934 2839 current	17 1 8 2 64 2520 977 1062 2964 history1	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25 >50	114 0 107 <1 371 2023 782 934 2839 current 5 50	17 1 8 2 64 2520 977 1062 2964 history1 10	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25 >50 >20	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1	17 1 8 2 64 2520 977 1062 2964 history1 10 10 10 10 10 10 10 10 10 10 10 10 10	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25 >50 >20 >4.0	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0	17 1 8 2 64 2520 977 1062 2964 history1 10 219 4 <1.0	history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25 >50 >20 >4.0 limit/base	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0 current 0.1	17 1 8 2 64 2520 977 1062 2964 history1 10 10 10 10 10 10 10 10 10 10 10 10 10	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >25 >50 >20 >4.0	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0	17 1 8 2 64 2520 977 1062 2964 history1 10 219 4 <1.0 history1	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7624	limit/base >25 >50 >20 >4.0 limit/base >20 >30	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0 current 0.1 5.8 16.8	17 1 8 2 64 2520 977 1062 2964 history1 10 219 4 <1.0 history1 0 6. 16.	history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D78185m ASTM D7824 *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >25 >50 >20 >4.0 limit/base >20 >30 limit/base	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0 current 0.1 5.8 16.8 current	17 1 8 2 64 2520 977 1062 2964 history1 10 10 10 10 16. history1	history2 history2 history2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7624	limit/base >25 >50 >20 >4.0 limit/base >20 >30	114 0 107 <1 371 2023 782 934 2839 current 5 50 <1 <1.0 current 0.1 5.8 16.8	17 1 8 2 64 2520 977 1062 2964 history1 10 219 4 <1.0 history1 0 6. 16.	history2 history2



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	TIES	method				history2

12.2

12.04

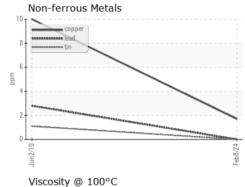
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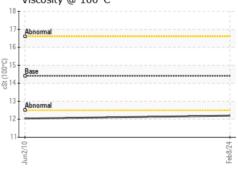
Visc @ 100°C

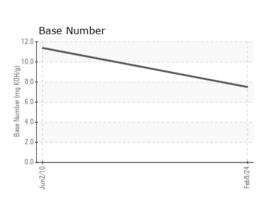
Ferrous Alloys

cSt

ASTM D445 14.4











Laboratory Sample No.

: WC0880968 Lab Number : 06122913 Unique Number : 10937064

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed Test Package: FLEET (Additional Tests: FuelDilution)

: 20 Mar 2024 : 20 Mar 2024 - Jonathan Hester

: 19 Mar 2024

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)

F: (228)867-2970