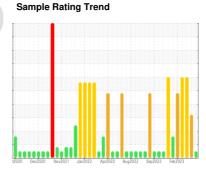


OIL ANALYSIS REPORT



CHEVRON HDAX 6500 LFG GAS ENGINE OIL (141 GAL)





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

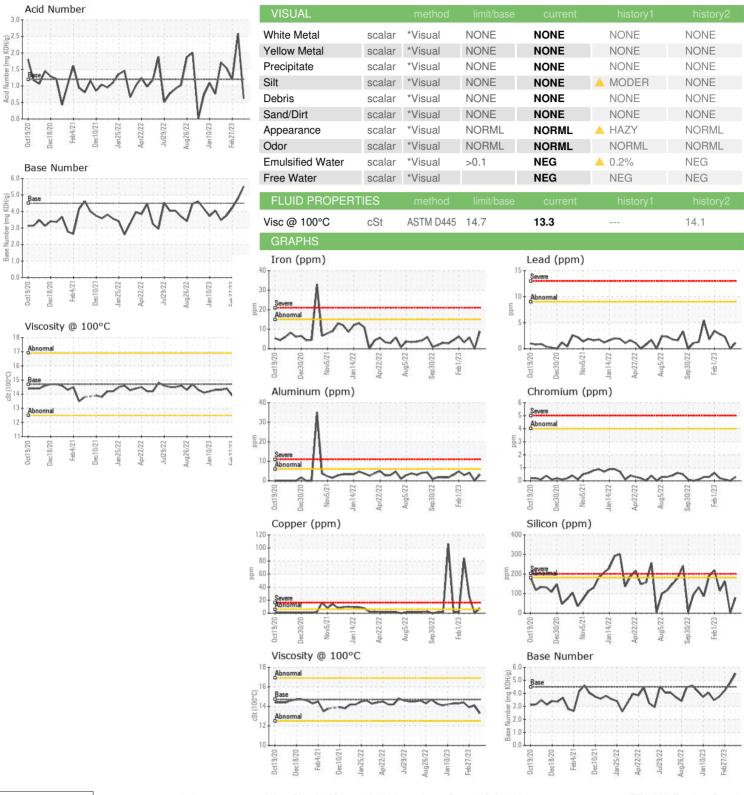
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0816096	WC0722603	WC0618630
Sample Date		Client Info		10 Jul 2023	10 Apr 2023	13 Mar 2023
Machine Age	hrs	Client Info		124037	123449	123449
Oil Age	hrs	Client Info		123961	123449	121016
Oil Changed		Client Info		Changed	Filtered	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel	•	WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method	>4.0	NEG	NEG	NEG
•				NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	9	0	6
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>6	3	0	4
Lead	ppm	ASTM D5185m	>9	1	0	2
Copper	ppm	ASTM D5185m	>6	7	0	2 5
Tin	ppm	ASTM D5185m	>4	1	0	2
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		and the second	limit/base		la facilità de la constitución	history2
ADDITIVEO		method				HISTOLYZ
Boron	ppm	ASTM D5185m	IIIII/base	current 9	nistory i	5
	ppm		IIIIIVbase			
Boron		ASTM D5185m	IIIIIVDase	9	0	5
Boron Barium	ppm	ASTM D5185m ASTM D5185m	imilybase	9 2	0	5 1
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	IIIIII/Dase	9 2 9	0 0 0	5 1 8
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	IIIIII/Dase	9 2 9 <1	0 0 0 <1	5 1 8 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	IIIIII/Dase	9 2 9 <1 43	0 0 0 <1 1	5 1 8 <1 20
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	IIIIII/Dase	9 2 9 <1 43 2189	0 0 0 <1 1	5 1 8 <1 20 1677
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	IIIIII/Dase	9 2 9 <1 43 2189 354	0 0 0 <1 1 \$\triangle 0	5 1 8 <1 20 1677 289
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	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	9 2 9 <1 43 2189 354 467	0 0 0 <1 1 \$\triangle 0\$ \$\triangle 7\$	5 1 8 <1 20 1677 289 395
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	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	limit/base	9 2 9 <1 43 2189 354 467 2701	0 0 0 <1 1 \$\infty\$0 \$\infty\$7 \$\infty\$0 \$\infty\$625	5 1 8 <1 20 1677 289 395 2729
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	9 2 9 <1 43 2189 354 467 2701 current	0 0 0 <1 1 1 0 7 0 625	5 1 8 <1 20 1677 289 395 2729 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181	9 2 9 <1 43 2189 354 467 2701 current	0 0 0 <1 1 \$\triangle\$0 \$\triangle\$7 \$\triangle\$0 \$\triangle\$625 \$\triangle\$history1	5 1 8 <1 20 1677 289 395 2729 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181	9 2 9 <1 43 2189 354 467 2701 current 79 3	0 0 0 <1 1 1 0 4 0 7 0 625 history1 0 0	5 1 8 <1 20 1677 289 395 2729 history2 162 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181 >20	9 2 9 <1 43 2189 354 467 2701 current 79 3 2	0 0 0 <1 1 1 0 7 0 625 history1 0 0	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >181 >20 limit/base	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current	0 0 0 <1 1 1 0 7 0 625 history1 0 0	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2 0.1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >181 >20 limit/base	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current 0.1	0 0 0 <1 1 1 0 7 0 625 history1 0 0	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >181 >20 limit/base >20	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current 0.1 5.1	0 0 0 <1 1 1 0 7 0 625 history1 0 0 history1	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2 0.1 5.8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	limit/base >181 >20 limit/base >20 >30 limit/base	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current 0.1 5.1 16.1 current	0 0 0 <1 1 1 0 0 <7 0 625 history1 0 0 history1	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2 0.1 5.8 20.1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7624 *ASTM D7415 Method *ASTM D7414	limit/base >181 >20 limit/base >20 >30 limit/base >25	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current 0.1 5.1 16.1 current 8.7	0 0 0 0 <1 1 1 0 0 7 0 625 history1 0 0 history1 history1	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2 0.1 5.8 20.1 history2 11.8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method *ASTM D7624 *ASTM D7415 Method *ASTM D7414	limit/base >181 >20 limit/base >20 >30 limit/base	9 2 9 <1 43 2189 354 467 2701 current 79 3 2 current 0.1 5.1 16.1 current	0 0 0 <1 1 1 0 0 <7 0 625 history1 0 0 history1	5 1 8 <1 20 1677 289 395 2729 history2 162 0 2 history2 0.1 5.8 20.1 history2



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Test Package

Unique Number

: WC0816096 : 05898742 : 10560098 : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Jul 2023 : 17 Jul 2023 Diagnosed

Diagnostician : Don Baldridge

EDL NA Recips-Covel COVEL GARDENS POWER STATION, 8611 COVEL ROAD

SAN ANTONIO, TX US 78252

Contact: ARIEL CARRION ariel.carrion@edlenergy.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) T:

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