

OIL ANALYSIS REPORT

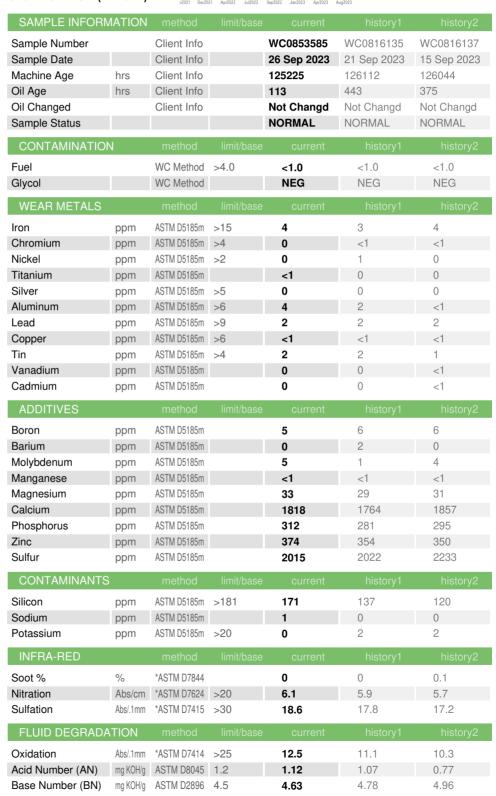




NORMAL

COVM04BE (S/N GZJ00185) Component Biogas Engine

CHEVRON HDAX 6500 LFG GAS ENGINE OIL (141 GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Machine Io

Wear

All component wear rates are normal.

Contamination

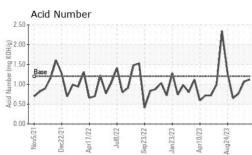
There is no indication of any contamination in the oil.

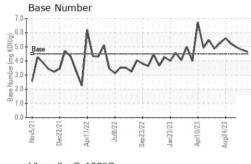
Fluid Condition

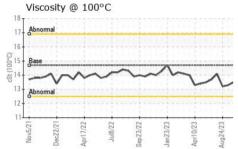
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



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		VISUAL		method			history1	history2
		White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Λ	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Λ.	1	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
JJJ	MIT	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
VVV		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
3/22	0/23 4/23	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sep23/22 Jan23/23	Apr10/23 Aug24/23	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
		Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
		Free Water	scalar	*Visual		NEG	NEG	NEG
	M	FLUID PROPER	TIES	method	limit/base	current	history1	history2
m	M>	Visc @ 100°C	cSt	ASTM D445	14.7	13.4	13.4	13.5
-		GRAPHS						
		Iron (ppm)				Lead (ppm)		
	TANK TANK TAN	25 Severe			1977777 18	Severe		
Sep23/22 Jan23/23	Apr10/23 Aug24/23	20 - Abnormal			10	Terrere		
Sep	Apr		\wedge	A	mdd	M		
			A	2 M			\wedge	
nnan				V	~	· Vh	m	La
		Nov5/21 Dec22/21 Apr17/22	Sep23/22 -	Jan 23/23 - Apr 10/23 -	27/1	Nov5/21- Dec22/21- Apr17/22-	Jul8/22 - Sep23/22 - Jan23/23 -	Apr10/23 - Aug24/23 -
		No Decí Aprl	Sep2	Apr1	7 Briv	Nor Decí Apr1	Ju Sep2 Jan2	Apr1 Aug2
and	21	Aluminum (ppm)				Chromium (p	om)	
	LL	12 10				Severe		
		8						
/22 - /23 -	/23	E 6 - Abnormal	· · · · · ·		und diamond	3		
Sep23/22 Jan23/23	Apr10/23 Aug24/23	1 10	Λ_	No A	./	2		
			- ~	-V	VV .			
		Nov5/21 Dec22/21 Jul8/22	Sep23/22	Jan 23/23 - Apr 10/23 -	C7/HJ	Nov5/21 Dec22/21 Apr17/22	Jul8/22 Sep23/22 Jan23/23	Apr10/23 Aug24/23
		No Dec Ju	Sepi	Apri	Bny	No Dec	Ju Sepź	Apri Augž
		Copper (ppm)				Silicon (ppm)		
		80		٨	400	, 1999, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1997, 1	DIGGUNAT	
		60 -		Λ	300)-		1
		툡 40 -			틆 200	- Severand	A 4 0	A
		20 - Severe			100	////	1VV V	MIL
		Abnormal	_	<u> </u>			v	VV
		Nov5/21 Dec22/21 Apr17/22	Sep23/22	Jan 23/23	c7/478n4	Nov5/21 Dec22/21 Apr17/22	Jul8/22 . Sep23/22 . Jan23/23	Apr10/23 -
		Nov Decí Ju	Sep2	Jan2 Apr1	7 Bny	No Deci Apr1	Ju Sep2 Jan2	Apr1 Aug2
		Viscosity @ 100°	C			Base Number		
		Abnormal		1112115111	8.(6.(0.4), b 8.(0.4), 0 9.(0, 1), 0), 0), 0), 0), 0), 0), 0), 0), 0), 0		in the line	
		216 - Base			96.0 B	Bace A		.hr
		E14	~~~	2		1 Ar	lan	A
		경 12			UN 2.(o content.	
		10			0.0			
		Nov5/21 Dec22/21 Apr17/22 Jul8/22	3/22	Jan 23/23 Apr10/23	C7/H	Nov5/21 Dec22/21 Apr17/22	Jul8/22 Sep23/22 Jan23/23	Apr10/23 Aug24/23
		Nor Deci Aprl	Sep23/22	Jan 23/23 . Apr1 0/23 .	7 Briv	Nor Deci Apri	Ju Sep2 Jan2	Apr1 0/23 Aug 2 4/23
						-		
		: WearCheck USA -						Recips-Cove
4	Laboratory		Dessive	A				
	Sample No.	: WC0853585	Receive		Sep 2023 Oct 2023	COVEL GAP		DN, 8611 COVEL ROA
	Sample No. Lab Number	: WC0853585 : <mark>05964761</mark>	Diagnos	ed : 02	Sep 2023 Oct 2023 an Felton	COVEL GAI		I ANTONIO, T
THE LEGATOR	Sample No.	: WC0853585 : 05964761 r : 10671312		ed : 02	Oct 2023	COVEL GAI	SAN	