

## **OIL ANALYSIS REPORT**

## 3022 Me2023 Acr022 Jun2023 Aug/202 Seg/202 Ter/202 Jun204

Sample Rating Trend





Recommendation

Contamination

Fluid Condition

suitable for further service.

Wear

oil

Coopersville CAT 1 CPVM01BE Component Biogas Engine

Machine Id

Resample at the next service interval to monitor.

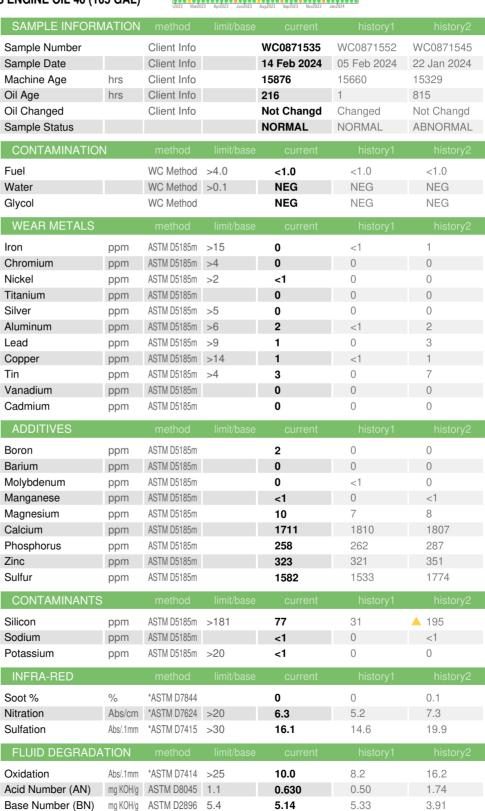
There is no indication of any contamination in the

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

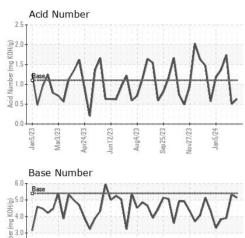
All component wear rates are normal.

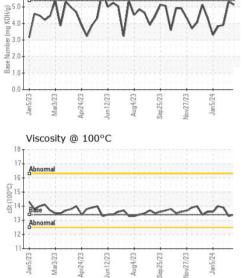
CHEVRON HDAX 9500 GAS ENGINE OIL 40 (105 GAL)





## **OIL ANALYSIS REPORT**





	VISUAL		method	limit/base	current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
$, \Lambda \Lambda \Lambda \Lambda$	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
NUUVI	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Jun 12/23 Aug 4/23 Sep 25/23 Nov27/23 Jan 5/24	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Jun Rov. Jai	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
	Free Water	scalar	*Visual		NEG	NEG	NEG
MMMM	FLUID PROPERT	IES	method	limit/base	current	history1	history2
1.1.1.1	Visc @ 100°C	cSt	ASTM D445	13.4	13.4	13.3	13.9
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	25 Severe			1	Severe		
Jun 12/23 Aug4/23 Sep 25/23 Nov27/23 Jan5/24	20 - Abnormal			1	0 - Abnormal		
A A A			Λ	bbw			
С	S. NN	1 A	$\langle \rangle$		5-	1	
		V	m			hav	MMM
	Jan5/23 - Mar3/23 - Apr24/23 - Jun12/23 -	Aug4/23 -	Sep25/23 . Nov27/23 .		Jan5/23 - Mar3/23 - Apr24/23 -	Jun12/23 - Aug4/23 - Sep25/23 -	Nov27/23 - Jan5/24 -
		Aut	Sep	0	Ja: Ma Apré	Jun Aug	Nov
ama	Aluminum (ppm)				Chromium (pp	om)	
	12 10				5 Severe		
	8				4 - Abnormal		
Juni 1/23 + Aug4/23 + Sep25/23 + Vov27/23 + Jan5/24 +	E 6- Abnormal			mdd			
Jun 12/23 Aug 4/23 Sep 25/23 Nov 27/23 Jan 5/24		N	11	1	2		
			Vun	V		mm	~~~~
	Jan5/23 Mar3/23 Apr24/23	Aug4/23	Sep25/23 Nov27/23	-7/01	Jan5/23 Mar3/23 Apr24/23	Jun 12/23 Aug 4/23 Sep 25/23	Vov27/23 Jan5/24
	1 r	Au	Ser	5	4	Jur Au Sep	Nov
	Copper (ppm)			25	Silicon (ppm)		
	Severe			20	Severa	A	-
	B				0	1////	MA
	툡 10-			톱 <sup>15</sup> 10	$\Lambda / V$	1/1/1/	1/1/1
	5	1 .		5		VVV	VVV
		m	$\sim$	$\sim$	0		
	Jan5/23 Mar3/23 Apr24/23	Aug4/23	Sep25/23 Nov27/23	1-7/C118	Jan5/23 Mar3/23 Apr24/23	Jun12/23 Aug4/23 Sep25/23	Nov27/23 Jan5/24
		Au	Sep	2		Jun Sep,	Nov
	Viscosity @ 100°C				Base Number		
	Abnormal			(B) H 5.	Base	MAN. A	
	16 Abnormal			(B)F0.7 (B)F0.	~VV		VVV
				م الله الله عن الله الله الله الله الله الله الله الل	0		Y
	경 <mark>Abnormal</mark> 12 -				0		
	10			0.0	0		
	Jan5/23 Mar3/23 Apr24/23	Aug4/23.	Sep25/23 . Nov27/23 .		Jan 5/23 - Mar 3/23 - Apr 24/23 -	Jun12/23 . Aug4/23 . Sep25/23 .	Nov27/23 - Jan5/24 -
	Jar Ma Apr2 Jun1	Auc	Sepi Nov2	20	Jar Ma	Jun'i Aug Sep2	Nov2 Jan
Laboratory	: WearCheck USA - 501	Madiso	on Ave Carv	. NC 27513	1	EDL NA Recips	-Coopersville
Sample No.	: WC0871535	Rece	ived : 23	3 Feb 2024		ille Powerstation, 1	
Lab Number		Teste	ed : 26	6 Feb 2024			oopersville, M
Unique Number		Diagr	nosed : 26	Feb 2024 - Se	ean Felton	Canter	US 49404
Certificate L2367 Test Package To discuss this sample report,		ce at 1-A	300-237-136	9		Contact daniel.young@	: Daniel Young edlenergy.com
* Depotes test methods that						samonyoung@	culenergy.com τ.

\* - 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)

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