

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

[62005676253]
Machine Id
101

Diesel Engine

DECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.		UOIVI		LIMII/ADN	WC0828101		
	Sample Number		Client Info		16 Oct 2023	WC0828117	
	Sample Date Machine Age	mlo	Client Info		39462	26 Sep 2023 40066	25 May 202 34451
	Oil Age	mls	Client Info		0	0	0
		mls	Client Info		0	0	0
	Filter Age Oil Changed	mls	Client Info		Not Changd	Not Changd	Not Chang
	Filter Changed		Client Info		Not Change	Not Changd	Not Chang
	Sample Status		Olletti IIIIO		NORMAL	NORMAL	NORMAL
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WEAR	Iron	ppm	ASTM D5185m	>100	19	33	12
	Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>4	<1	0	0
	Titanium	ppm	ASTM D5185m		63	45	65
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	11	14	5
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	5	5	4
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABBINATION	0:1:		40TM DE40E	05	40	40	
CONTAMINATION	Silicon	ppm	ASTM D5185m		10	12	8
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m		23	31	13
	Water		WC Method		<1.0 NEG	<1.0 NEG	<1.0 NEG
			WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	%	*ASTM D7844	. 2	0.3	0.4	0.2
	Nitration	Abs/cm	*ASTM D7644		9.6	9.8	7.7
	Sulfation	Abs/.1mm	*ASTM D7024		21.2	21.9	20.2
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	2	3	2
The DNI regult indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	250	65	46	118
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	6	6	7
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		479	551	495
	Calcium	ppm	ASTM D5185m		1523	1542	1664
	Phosphorus	ppm	ASTM D5185m		996	975	1037
	Zinc	ppm	ASTM D5185m		1176	1204	1236
	Sulfur	ppm	ASTM D5185m		3579	3482	4650
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.4	16.8	16.1

Base Number (BN) mg KOH/g ASTM D2896 8.5

ASTM D445 14.4

Visc @ 100°C cSt

6.5

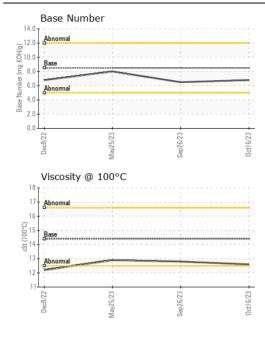
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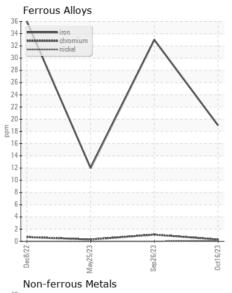
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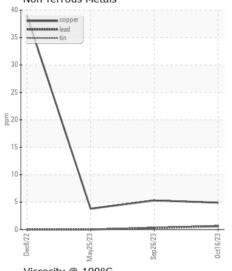
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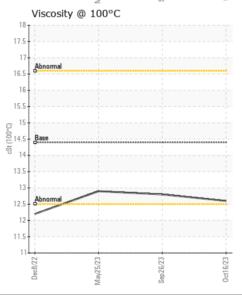
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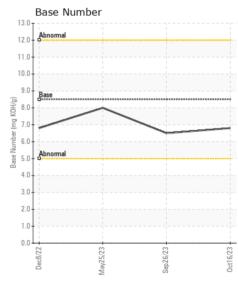
12.9













Report Id: CASYANNC [WUSCAR] 06089495 (Generated: 02/15/2024 16:33:39) Rev: 1

Laboratory Sample No.

Lab Number : 06089495 Unique Number : 10876940

: WC0828101 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Feb 2024 : 15 Feb 2024 **Tested**

: 15 Feb 2024 - Wes Davis Diagnosed

CASWELL COUNTY SCHOOL BUS 353 COUNTY HOME ROAD

YANCEYVILLE, NC US 27379

T: (336)694-4116

Contact: DEBRA MOORE debra.moore@caswell.k12.nc.us

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)

Contact/Location: DEBRA MOORE - CASYANNC

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