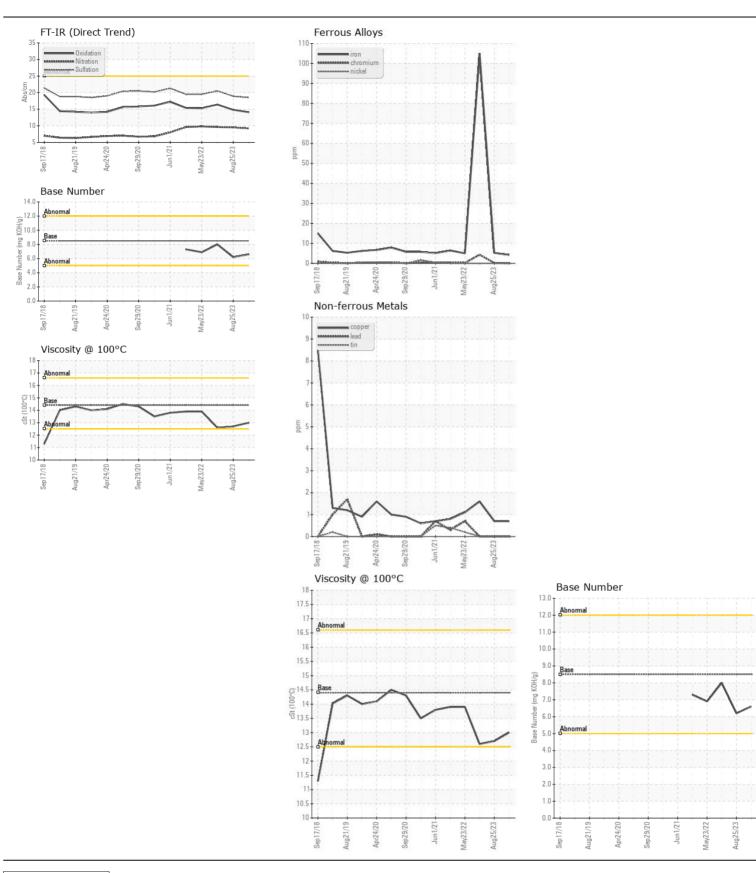
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**



CATERPILLAR 308E2 4004 - CAT (S/N FJX11391) Diesel Engine

DIESEL ENGINE OIL SAE 15W							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Posample at the payt consider interval to manifer Diagon appoint the	Sample Number		Client Info		CL0005569	CL0004649	CL000377
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		17 Jun 2024	25 Aug 2023	30 Nov 202
	Machine Age	hrs	Client Info		4040	3795	3510
	Oil Age	hrs	Client Info		245	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>100	4	5	<u> </u>
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	0	<1	4
	Nickel	ppm	ASTM D5185m	>2	0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	<1
	Silver	ppm	ASTM D5185m	>2	0	0	0
	Aluminum	ppm	ASTM D5185m	>25	2	3	7
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	<1	<1	2
	Tin	ppm	ASTM D5185m	>15	0	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	4	22
	Potassium	ppm	ASTM D5185m		0	1	2
There is no indication of any contamination in the oil.	Fuel	le le · · ·	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	9.5	9.6
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.9	20.5
	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	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	\158	<1	2	5
LOID CONDITION	Boron	ppm	ASTM D5185m		51	50	3
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	<1	2
	Molybdenum	ppm	ASTM D5185m		86	82	60
	Manganese	ppm	ASTM D5185m	100	<1	0	1
	Magnesium	ppm	ASTM D5185m	450	21	30	935
	Calcium	ppm	ASTM D5185m		2392	2008	1106
	Phosphorus	ppm	ASTM D5185m		1088	934	1012
	Zinc	ppm	ASTM D5185m		1313	1110	1255
	Sulfur	ppm	ASTM D5185m		4455	3543	3605
	Oxidation	Abs/.1mm	*ASTM D7414		14.1	14.8	16.4
	Base Number (BN)				6.6	6.2	8.0
			TO THE DEGOD	0.0	0.0	0.2	0.0







Certificate L2367

Laboratory Sample No.

Lab Number : 06217906

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : CL0005569

Received **Tested**

Unique Number : 11096103 Diagnosed

: 24 Jun 2024

: 25 Jun 2024

: 25 Jun 2024 - Wes Davis Test Package : CONST (Additional Tests: TBN)

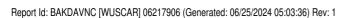
To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

BAKER AR 8819 COLUMBUS RD

DAVIDSON, NC US 28036

Contact: Service Manager



T:

F: