

## **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id 912105

Component Diesel Engine

### **DIESEL ENGINE OIL SAE 40 (60 QTS)**

## DIAGNOSIS Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

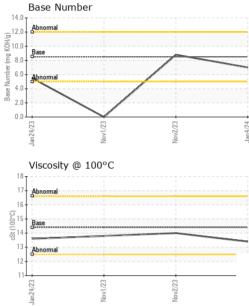
#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

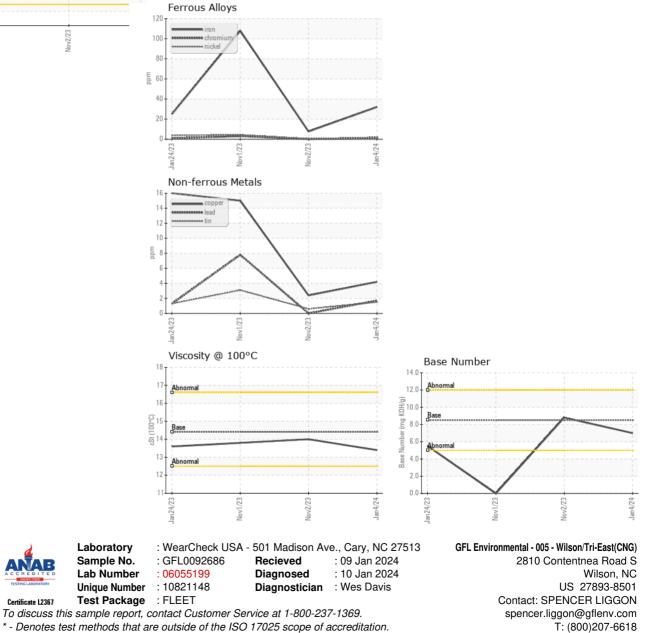
AE 40 (60 QTS)		Jan 202			m2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092686	GFL0092716	GFL0092656
Sample Date		Client Info		04 Jan 2024	02 Nov 2023	01 Nov 2023
Machine Age	hrs	Client Info		2300	2300	2300
Dil Age	hrs	Client Info		636	130	622
Dil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Vater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	32	8	<b>1</b> 08
Chromium	ppm	ASTM D5185m		1	<1	3
Nickel	ppm	ASTM D5185m	>15	2	<1	4
Fitanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m		2	1	4
ead	ppm	ASTM D5185m	>40	2	0	8
Copper	ppm	ASTM D5185m		4	2 <1	15
īn ∕anadium	ppm	ASTM D5185m	>15	2	<1	3
Cadmium	ppm	ASTM D5185m ASTM D5185m		0 <1	0	0
ADDITIVES	ppm		lineit/le e e e		-	-
		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m	250	5	14	7
Barium Aakibalaasis	ppm	ASTM D5185m	10	0 59	0 61	0
Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m	100	1	<1	65 2
Magnesium	ppm	ASTM D5185m	450	906	962	973
Calcium	ppm	ASTM D5185m	3000	1116	1136	1229
Phosphorus	ppm	ASTM D5185m	1150	867	1055	1028
Zinc	ppm	ASTM D5185m	1350	1183	1322	1365
Sulfur	ppm	ASTM D5185m		2809	3269	2325
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	4	15
Sodium	ppm	ASTM D5185m	>216	0	<1	15
Potassium	ppm	ASTM D5185m	>20	3	<1	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.9	0.3	2.1
Vitration	Abs/cm	*ASTM D7624	>20	9.1	5.4	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	17.9	24.7
FLUID DEGRA		method	limit/base	current	history1	history2
Dxidation	Abs/.1mm	*ASTM D7414	>25	16.0	13.5	21.9
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.0	8.8	▲ 0.0



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
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	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.4	14.0	13.8
GRAPHS						



Submitted By: WALTER SKOKOWSKI

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