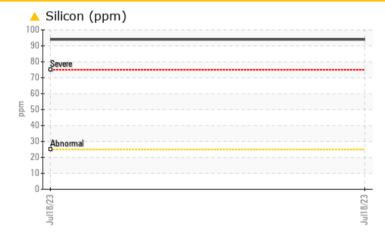
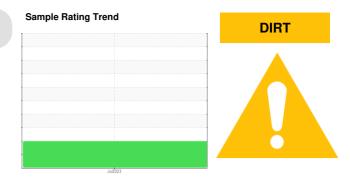
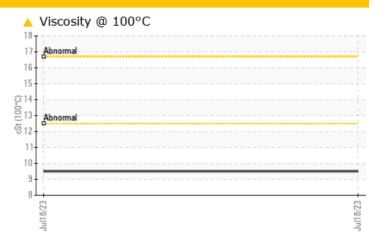
PROBLEM SUMMARY

Area ARIZONA Machine Id 2323 Component Diesel Engine Fluid NAPA 15W40 (--- QTS)

COMPONENT CONDITION SUMMARY







RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	
Silicon	ppm	ASTM D5185m	>25	<u> </u>	
Visc @ 100°C	cSt	ASTM D445		9.5	

Customer Id: SEAOKL Sample No.: WC0820344 Lab Number: 05904792 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



Area ARIZONA

OIL ANALYSIS REPORT

Sample Rating Trend



2323 Component **Diesel Engine** Fluic NAPA 15W40 (--- QTS)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material.

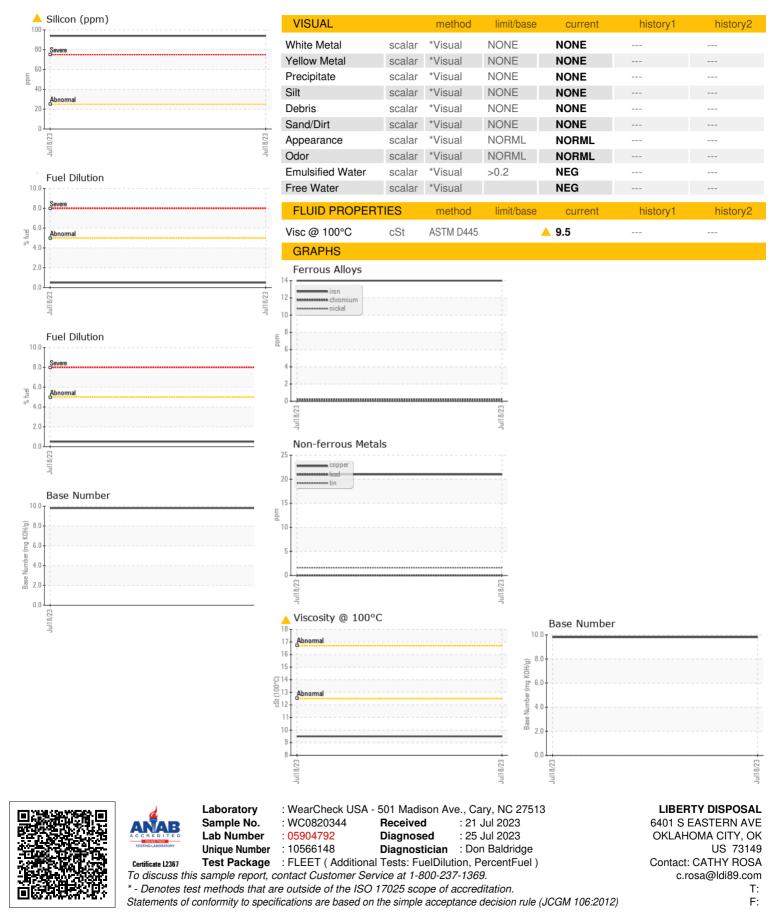
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0820344		
Sample Date		Client Info		18 Jul 2023		
Machine Age	hrs	Client Info		65		
Oil Age	hrs	Client Info		65		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATION	٧	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	14		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	5		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	21		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		432		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		118		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		728		
Calcium	ppm	ASTM D5185m		1491		
Phosphorus	ppm	ASTM D5185m		710		
Zinc	ppm	ASTM D5185m		840		
Sulfur	ppm	ASTM D5185m		2943		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<mark>/</mark> 94		
Sodium	ppm	ASTM D5185m		5		
Potassium	ppm	ASTM D5185m	>20	5		
Fuel	%	ASTM D3524	>5	0.5		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	5.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.6		
Base Number (BN)	mg KOH/g	ASTM D2896	-	9.8		



OIL ANALYSIS REPORT



Contact/Location: CATHY ROSA - SEAOKL