

OIL ANALYSIS REPORT

Sample Rating Trend





(TK817OLT) 913129 Component Diesel Engine

{not provided} (40 QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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

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

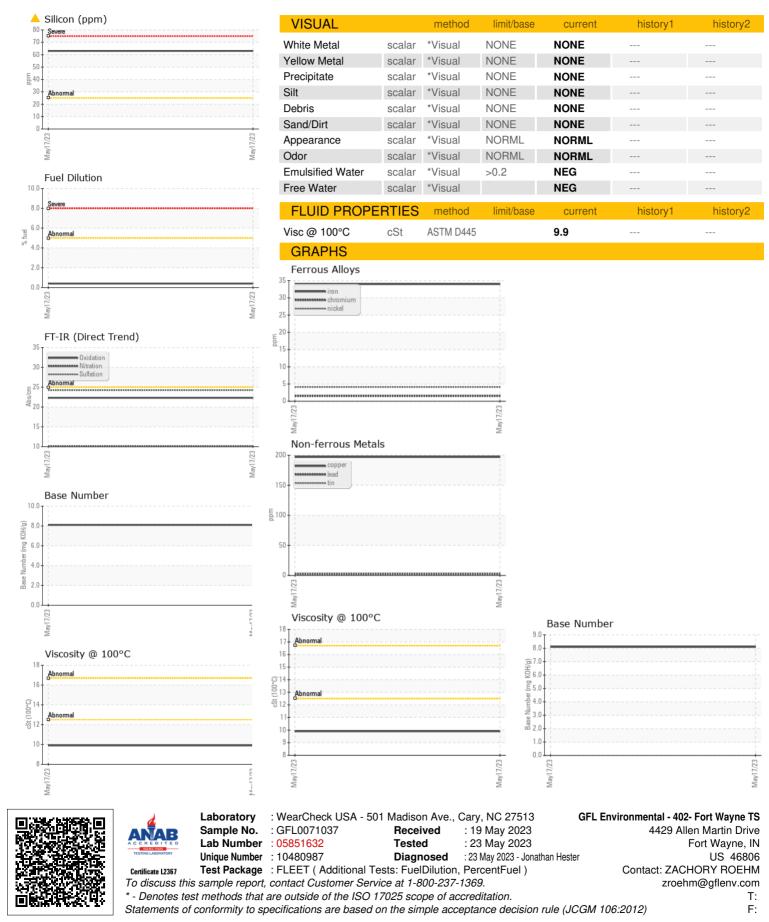
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0071037		
Sample Date		Client Info		17 May 2023		
Machine Age	nrs	Client Info		0		
Oil Age	nrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
lron g	opm	ASTM D5185m	>120	34		
	opm	ASTM D5185m	>20	2		
	opm	ASTM D5185m	>5	4		
		ASTM D5185m	>2	<1		
	opm	ASTM D5185m	>2	<1		
	· .	ASTM D5185m	>20	4		
	opm	ASTM D5185m	>40	2		
	· .		>330	_ 197		
	opm	ASTM D5185m	>15	3		
1		ASTM D5185m		0		
	opm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	opm	ASTM D5185m		253		
Barium	opm	ASTM D5185m		0		
Molybdenum p	opm	ASTM D5185m		120		
Manganese p	opm	ASTM D5185m		4		
	opm	ASTM D5185m		703		
Calcium p	opm	ASTM D5185m		1577		
Phosphorus p	opm	ASTM D5185m		722		
Zinc	opm	ASTM D5185m		881		
	opm	ASTM D5185m		2454		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>25	6 3		
Sodium p	opm	ASTM D5185m		4		
Potassium p	opm	ASTM D5185m	>20	4		
Fuel	%	ASTM D3524	>5	0.4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.4		
	Abs/cm	*ASTM D7624	>20	10.1		
Sulfation A	Abs/.1mm	*ASTM D7415	>30	24.2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation A	Abs/.1mm	*ASTM D7414	>25	22.3		
		ASTM D2896		8.1		
	5 0					



OIL ANALYSIS REPORT



Submitted By: See also GFL401 - ZACHORY ROEHM