





Machine Id

TK9AF6485RN

Component Diesel Engine Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Bearing and/or bushing wear is indicated.

Contamination

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

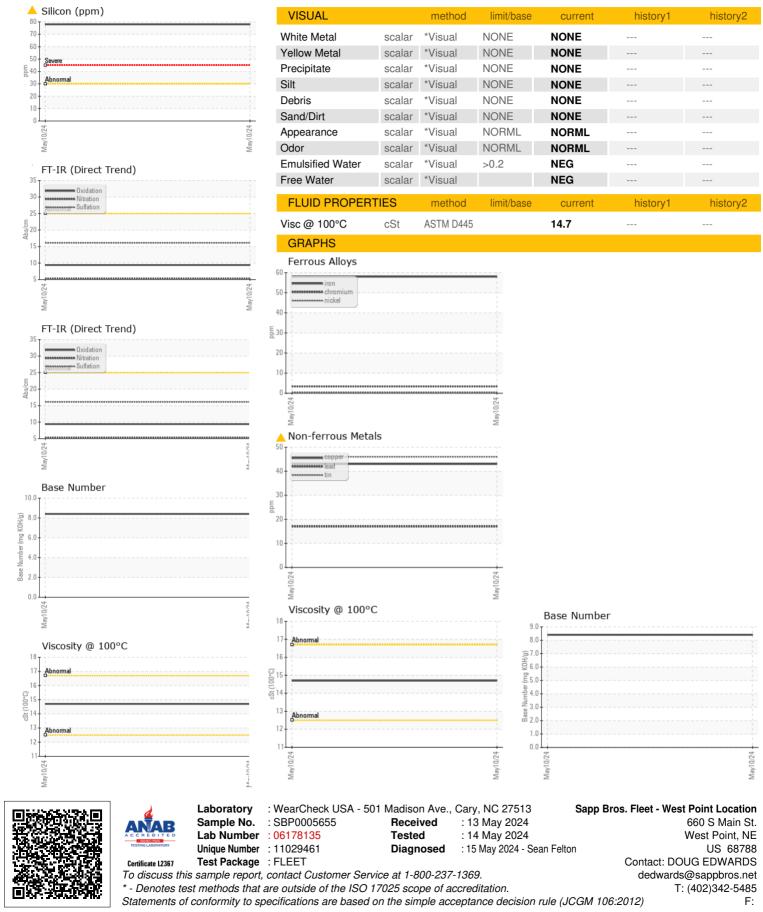
Fluid Condition

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0005655		
Sample Date		Client Info		10 May 2024		
Machine Age	hrs	Client Info		1106		
Oil Age	hrs	Client Info		1106		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method	20.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	58		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	2		
Lead	ppm	ASTM D5185m	>30	17		
Copper	ppm	ASTM D5185m	>30	<u> </u>		
Tin	ppm	ASTM D5185m	>15	4 6		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		4		
Molybdenum	ppm	ASTM D5185m		31		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		1076		
Calcium	ppm	ASTM D5185m		591		
Phosphorus	ppm	ASTM D5185m		1010		
Zinc	ppm	ASTM D5185m		1213		
Sulfur	ppm	ASTM D5185m		5368		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	7 8		
Sodium	ppm	ASTM D5185m		14		
Potassium	ppm	ASTM D5185m	>20	19		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2		
Nitration	Abs/cm	*ASTM D7624		5.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.1		
Sunation	/ 10/0/					
FLUID DEGRADA		method	limit/base	current	history1	history2
FLUID DEGRADA		method *ASTM D7414			history1	history2
			limit/base >25	current 9.4 8.4		



OIL ANALYSIS REPORT



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