

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

SALTER GROVE

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

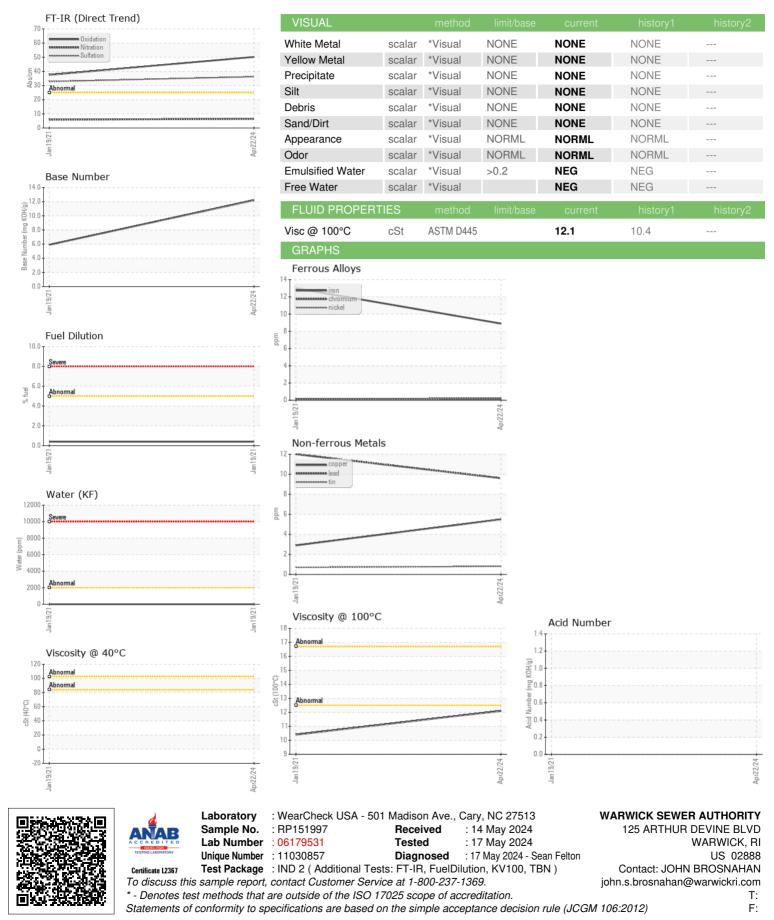
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP151997	RP0016533	
Sample Date		Client Info		22 Apr 2024	19 Jan 2021	
Machine Age	hrs	Client Info		438	429	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	9	13	
Chromium	ppm	ASTM D5185m	>20	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	3	5	
Lead	ppm	ASTM D5185m	>40	10	12	
Copper	ppm	ASTM D5185m	>330	6	3	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Antimony	ppm	ASTM D5185m			0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		13	42	
Barium	ppm	ASTM D5185m		<1	0	
Molybdenum	ppm	ASTM D5185m		122	6	
Manganese	ppm	ASTM D5185m		<1	1	
Magnesium	ppm	ASTM D5185m		811	9	
Calcium	ppm	ASTM D5185m		2820	1694	
Phosphorus	ppm	ASTM D5185m		368	556	
Zinc	ppm	ASTM D5185m		368	379	
CONTAMINANTS	5	method	limit/base		history1	history2
Silicon	ppm		>25	12	9	
Sodium	ppm	ASTM D5185m		2	4	
Potassium	ppm	ASTM D5185m	>20	2	<1	
Fuel	%	ASTM D3524	>5	<1.0	0.4	
Water	%	ASTM D6304	>0.2	NEG	NEG	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	
Nitration	Abs/cm	*ASTM D7624		6.4	5.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.2	32.8	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	50.2	37.5	
Acid Number (AN)	mg KOH/g	ASTM D8045			1.282	
Base Number (BN)	mg KOH/g	ASTM D2896		12.20	5.90	
0:11:56) Rev: 1	Contact/Location: JOHN BROSNAHAN - WARWARRI					

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