

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

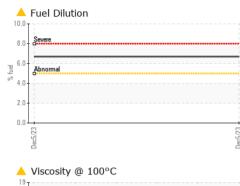
Fluid Condition

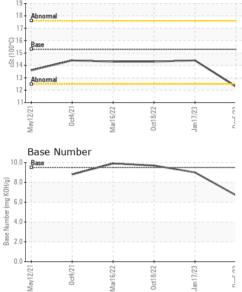
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836233	WC0754796	WC0619471
Sample Date		Client Info		05 Dec 2023	17 Jan 2023	18 Oct 2022
Machine Age	hrs	Client Info		7895	7425	7177
Oil Age	hrs	Client Info		470	248	6945
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	10	14	21
	ppm	ASTM D5185m	>20	<1	<1	<1
	ppm	ASTM D5185m	>4	0	<1	0
	ppm	ASTM D5185m		<1	<1	<1
	ppm	ASTM D5185m	>3	0	0	0
	ppm	ASTM D5185m	>20	2	2	3
	ppm	ASTM D5185m	>40	0	<1	0
-	ppm	ASTM D5185m		2	1	2
	ppm	ASTM D5185m	>15	- <1	<1	<1
	ppm	ASTM D5185m		0	0	<1
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
_	ppm	ASTM D5185m	85	44	50	29
	ppm	ASTM D5185m	00	<1	<1	<1
	ppm	ASTM D5185m		24	18	30
	ppm	ASTM D5185m		0	<1	<1
	ppm	ASTM D5185m	350	517	795	778
-	ppm	ASTM D5185m	1800	1347	1243	1207
	ppm	ASTM D5185m	1000	925	1061	1034
	ppm	ASTM D5185m	1100	1123	1235	1214
	ppm	ASTM D5185m	3500	3385	4294	3538
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	5
Sodium	ppm	ASTM D5185m		0	2	1
Potassium	ppm	ASTM D5185m	>20	3	3	3
Fuel	%	ASTM D3524	>5	6 .7	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.7	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.7	7.8	6.0
	Abs/.1mm	*ASTM D7415	>30	19.4	19.4	18.2
FLUID DEGRADAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.0	13.1	13.7
	mg KOH/g	ASTM D2896	9.5	6.7	9.0	9.7
()	0			-		

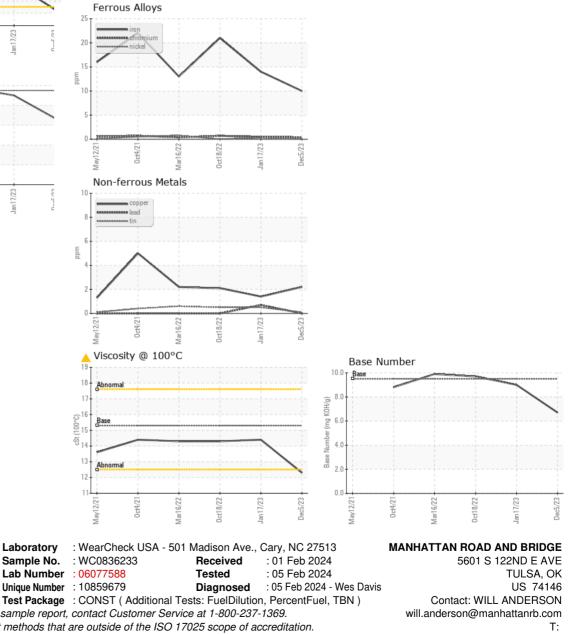


OIL ANALYSIS REPORT





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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.3	12.3	14.4	14.3
GRAPHS						





Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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