

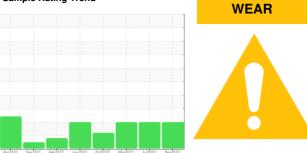
DICK LAVY

DICK LAVY 4831

OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method limit/base



current

history1

history2

Transmission (Manual) Fluid Transmission (Manual) Oil (--- GAL)

DIAGNOSIS

Component

A Recommendation

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

🔺 Wear

The copper level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

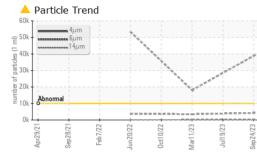
SAMPLE INFORM	ATION	method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		WC0853950	WC0843165	WC0797158
Sample Date		Client Info		24 Sep 2023	19 Jul 2023	11 Mar 2023
Machine Age	mls	Client Info		375533	349288	301362
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	124	137	144
Chromium	ppm	ASTM D5185m	>5	2	2	2
Nickel	ppm	ASTM D5185m	>5	- <1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	8	10
Lead	ppm	ASTM D5185m	>45	13	0	0
Copper	ppm	ASTM D5185m	>225	<u>▲</u> 516	▲ 553	<u>▲</u> 427
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m	210	<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррш	method	line it /le e e e			
ADDITIVES			limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		237	214	232
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		3	<1	3
Manganese	ppm	ASTM D5185m		22	26	26
Magnesium	ppm	ASTM D5185m		1	<1	4
Calcium	ppm	ASTM D5185m		163	199	199
Phosphorus	ppm	ASTM D5185m		1027	1184	1180
Zinc	ppm	ASTM D5185m		128	145	81
Sulfur	ppm	ASTM D5185m		807	1112	1194
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>125	20	27	8
Sodium	ppm	ASTM D5185m		3	2	2
Potassium	ppm	ASTM D5185m	>20	4	<1	0
Water	%	ASTM D6304		0.038	0.053	0.042
ppm Water	ppm	ASTM D6304	>1000	388.6	531.6	421.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	38764		▲ 18081
Particles >6µm		ASTM D7647		<u> </u>		▲ 3493
Particles >14µm		ASTM D7647	>320	201		200
Particles >21µm		ASTM D7647	>80	51		46
Particles >38µm		ASTM D7647	>20	2		1
Particles >71µm		ASTM D7647	>4	0		0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/19/15		▲ 21/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		2.78	3.23	2.71

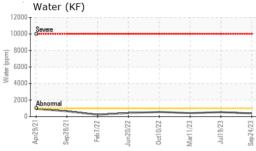


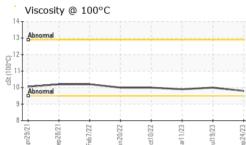
OIL ANALYSIS REPORT

Color

Bottom

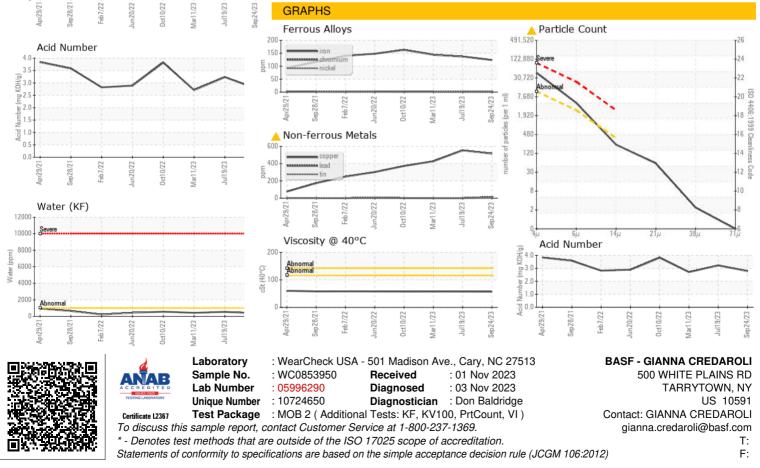






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		57.2	57.7	57.8
Visc @ 100°C	cSt	ASTM D445		9.8	10.0	9.9
Viscosity Index (VI)	Scale	ASTM D2270		157	161	158
SAMPLE IMAGES		method	limit/base	current	history1	history2
						Per .





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Contact/Location: GIANNA CREDAROLI - BASTARHD