

OIL ANALYSIS REPORT

Sample Rating Trend



Area (99AJ2Z) 923027-260202 Component

Diesel Engine Fluid

DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
commendation	Sample Number		Client Info		GFL0104954	GFL0104913	GFL0088099
sample at the next service interval to monitor.	Sample Date		Client Info		19 Feb 2024	13 Feb 2024	14 Nov 2023
ar	Machine Age	hrs	Client Info		0	21717	21622
component wear rates are normal.	Oil Age	hrs	Client Info		0	3267	0
tamination	Oil Changed		Client Info		N/A	Changed	N/A
re is no indication of any contamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINA	TION	method	limit/base	current	history1	history2
d Condition BN result indicates that there is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
linity remaining in the oil. The condition of the	Water		WC Method	>0.2	NEG	NEG	NEG
suitable for further service.	Glycol		WC Method		NEG	NEG	NEG
	WEAR META	LS	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	2	2	12
	Chromium	ppm	ASTM D5185m		0	0	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>20	1	<1	3
	Lead	ppm	ASTM D5185m		<1	0	<1
	Copper	ppm	ASTM D5185m	>330	<1	0	1
	Tin	ppm	ASTM D5185m		0	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	0	0	0
	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m	60	54	54	56
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m	1010	863	905	947
	Calcium	ppm	ASTM D5185m	1070	945	968	1014
	Phosphorus	ppm	ASTM D5185m	1150	952	984	1019
	Zinc	ppm	ASTM D5185m	1270	1091	1165	1231
	Sulfur	ppm	ASTM D5185m	2060	2778	2866	2930
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	2	3	3
	Sodium	ppm	ASTM D5185m		3	2	4
	Potassium	ppm	ASTM D5185m	>20	0	0	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.1	0.1	0.3
	Nitration	Abs/cm	*ASTM D7624		5.1	4.9	7.8
	Sulfation	Abs/.1mm	*ASTM D7415		17.2	17.1	18.4
	FLUID DEGRA	ADATION	method	limit/base	current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	12.9	14.6
	Dees Number (DN					0.5	7.0

Base Number (BN) mg KOH/g ASTM D2896 9.8

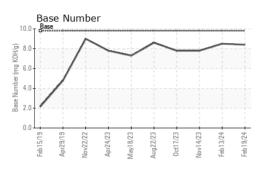
7.8

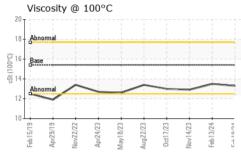
8.5

8.4

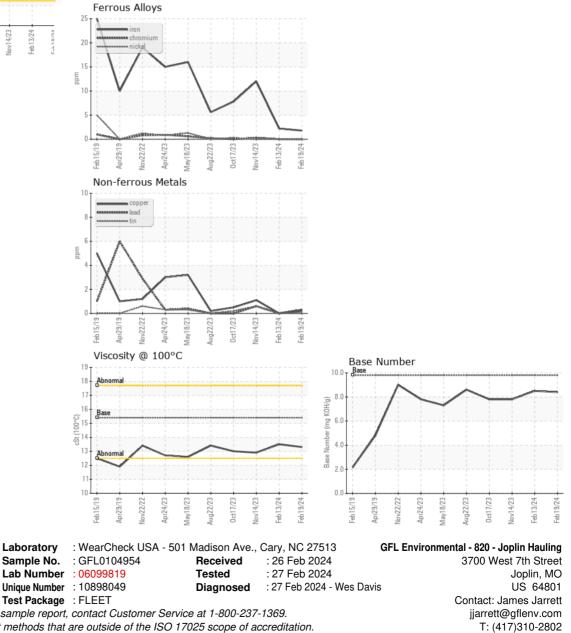


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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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 PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.5	12.9
GRAPHS						





Test Package : FLEET 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)

Submitted By: VINCE ASTI

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