

OIL ANALYSIS REPORT

COOL CHEMICALS

Machine Id

3595C AUTOCAR ACX

Natural Gas Engine Fluid CHEVRON DELO 400 NG (48 QTS)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: requested resample)

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

Fluid Condition

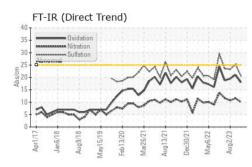
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

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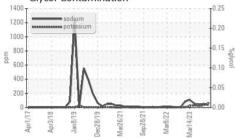
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117431	GFL0089287	GFL0089332
Sample Date		Client Info		03 Jun 2024	25 Aug 2023	02 Aug 2023
Machine Age	hrs	Client Info		25509	23877	23691
Oil Age	hrs	Client Info		1632	186	867
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	20	45	32
Chromium	ppm	ASTM D5185m	>4	<1	3	2
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	5	9	7
Lead	ppm	ASTM D5185m	>30	0	0	<1
Copper	ppm	ASTM D5185m	>35	4	7	6
Tin	ppm	ASTM D5185m	>4	<1	0	0
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		8	1	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		53	64	49
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		581	625	500
Calcium	ppm	ASTM D5185m		1527	1904	1520
Phosphorus	ppm	ASTM D5185m	800	773	778	592
Zinc	ppm	ASTM D5185m	880	939	1068	840
Sulfur	ppm	ASTM D5185m		2693	3141	2429
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	7	23	18
Sodium	ppm	ASTM D5185m		32	53	42
Potassium	ppm	ASTM D5185m	>20	61	31	23
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	10.0	11.6	10.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	25.2	23.3
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	21.0	19.5
Base Number (BN)	mg KOH/g	ASTM D2896	6.1	5.3	3.1	3.4

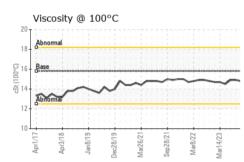


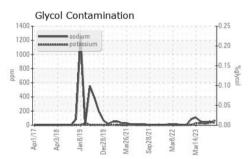
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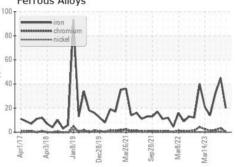


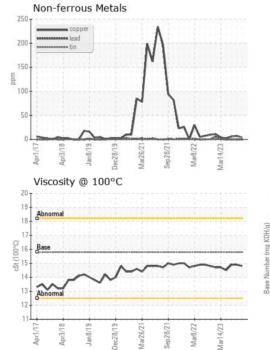


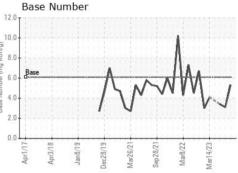
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	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	15.8	14.8	14.9	14.9
GRAPHS						

Ferrous Alloys

ppm







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 001 - Raleigh(CNG) Sample No. : GFL0117431 Received : 05 Jun 2024 3741 Conquest Drive Lab Number : 06199803 Tested : 07 Jun 2024 Garner, NC Unique Number : 11061926 Diagnosed : 07 Jun 2024 - Jonathan Hester US 27529 Test Package : FLEET (Additional Tests: Glycol) Contact: Craig Johnson Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. craig.johnson@gflenv.com T: (919)662-7100 * - 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) F: (919)662-7130

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Submitted By: aka Keith - Ronald Gregory

Page 2 of 2