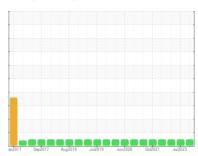


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id 11273 ISUZU NPR

Component

Diesel Engine

CHEVRON DELO 400 SDE SAE 15W40 (10 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

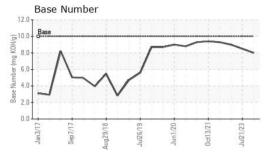
Fluid Condition

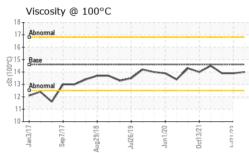
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

GAL)		an2017 Se	p2017 Aug2018 Ji	ul2019 Jun2020 Oct2021	Jul2023	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0089350	GFL0089308	GFL0052538
Sample Date		Client Info		10 Aug 2023	21 Jul 2023	20 Jun 2022
Machine Age	mls	Client Info		232983	230497	199133
Oil Age	mls	Client Info		0	31364	4313
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	28	23	11
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	<1	0	<1
Aluminum	ppm	ASTM D5185m		2	2	1
Lead	ppm	ASTM D5185m	>40	2	<1	0
Copper	ppm	ASTM D5185m		2	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m	>10	0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	3	8
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		71	65	60
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		909	965	845
Calcium	ppm	ASTM D5185m		1237	1140	1154
Phosphorus	ppm	ASTM D5185m	760	1034	1022	967
Zinc	ppm	ASTM D5185m	800	1254	1253	1164
Sulfur	ppm	ASTM D5185m	3000	3165	3556	2921
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	3
Sodium	ppm	ASTM D5185m		0	2	14
Potassium	ppm	ASTM D5185m	>20	1	<1	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.6	1.3	0.6
Nitration	Abs/cm	*ASTM D7624	>20	13.0	11.6	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.7	22.2	20.6
FLUID DEGRA	OITAC	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.3	19.6	17.2
Base Number (BN)	mg KOH/g			8.0	8.5	9.0
Daso Namber (DIV)	mg Norry	AO I WI DE000	. 0	0.0	0.0	0.0



OIL ANALYSIS REPORT

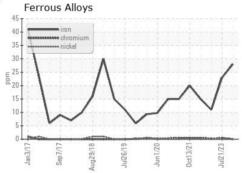


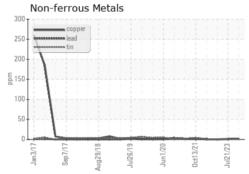


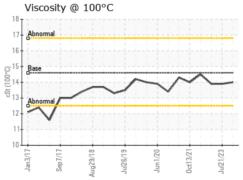
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

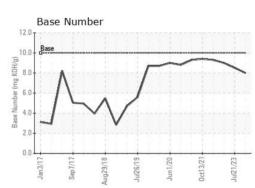
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	14.6	14.0	13.9	13.9

GRAPHS













Certificate L2367

Laboratory Sample No.

Lab Number **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0089350 : 05923199 : 10603146

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received Diagnosed Diagnostician : Don Baldridge

: 14 Aug 2023 : 15 Aug 2023 GFL Environmental - 001 - Raleigh(CNG) 3741 Conquest Drive

Garner, NC US 27529 Contact: Craig Johnson

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)

Report Id: GFL001 [WUSCAR] 05923199 (Generated: 08/15/2023 10:37:13) Rev: 1

Submitted By: Craig Johnson

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