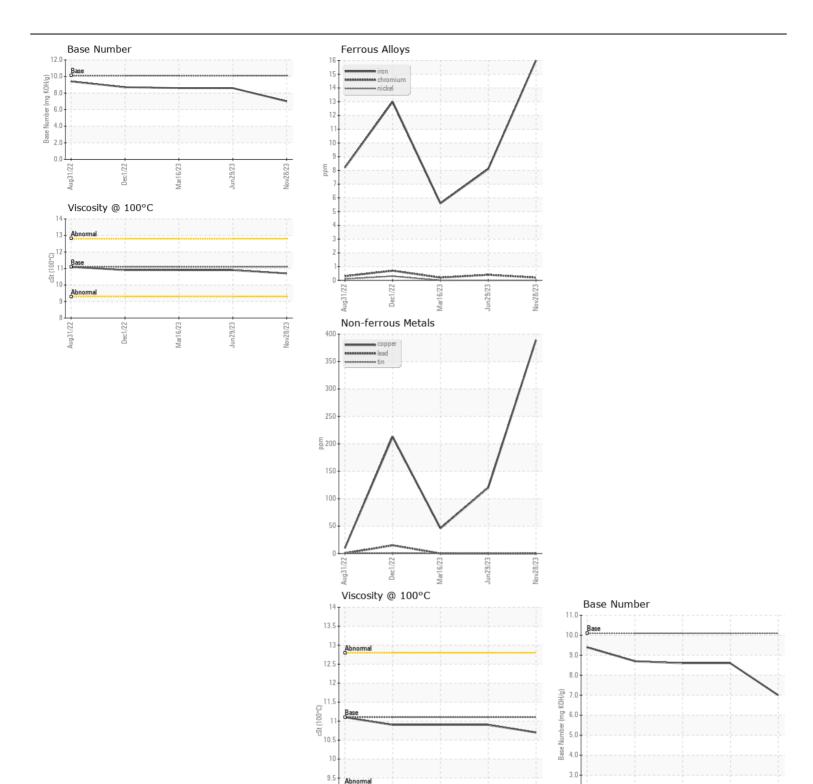


WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id **857-4687**

Component Diesel Engine							
CHEVRON DELO 400 SAE 10W30 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Number		Client Info		RPL0014592	RPL0010381	RPL0010612
	Sample Date		Client Info		28 Nov 2023	29 Jun 2023	16 Mar 2023
	Machine Age	mls	Client Info		15553	10518	8573
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Not Changd
	Filter Changed		Client Info		Changed	Not Changd	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR Metal levels are typical for a new component breaking in.	Iron	ppm	ASTM D5185m	>100	16	8	6
	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		16	8	5
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>330	389	120	46
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m		9	6	5
	Potassium	ppm	ASTM D5185m	>20	55	22	13
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.2	0.1	0.1
	Nitration	Abs/cm		>20	9.4	8.3	6.8
	Sulfation	Abs/.1mm	*ASTM D7415		18.9	18.2	17.6
	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
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	2
	Boron	ppm	ASTM D5185m		72	102	106
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		9	11	10
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		693	738	647
	Calcium	ppm	ASTM D5185m		1319	1370	1330
	Phosphorus	ppm	ASTM D5185m	1260	757	729	706
	Zinc	ppm	ASTM D5185m	1400	801	856	806
	Sulfur	ppm	ASTM D5185m	_	3117	3708	2994
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.6	12.8	11.7
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.0	8.6	8.6
	Visc @ 100°C	cSt	ASTM D445	11.1	10.7	10.9	10.9







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: RPL0014592 : 06056145 : 10822094 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 10 Jan 2024 : 11 Jan 2024

Mar16/23 -

Diagnosed Diagnostician : Wes Davis

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)

Dec1/22

RTL PACLEASE - 7001 - Houston

Mar16/23

6300 N. Loop East Houston, TX US 77026

Contact: RODNEY BRIGGS briggsr@rushenterprises.com

T:

F:

Dec1/22