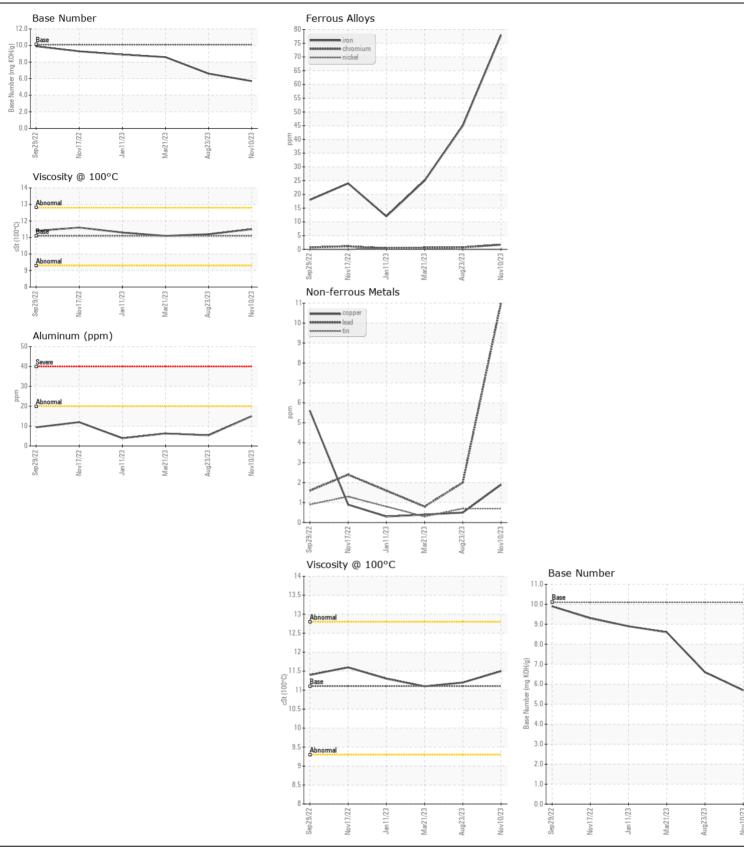


WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

857-4038

Component Diesel Engine							
CHEVRON DELO 400 SAE 10W30 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number	OOW	Client Info	LIIIIIUAUII	RPL0014648	RPL0011009	RPL0010591
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Date		Client Info		10 Nov 2023	23 Aug 2023	21 Mar 2023
	Machine Age	hrs	Client Info		7216	6658	144862
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	1110	Client Info		N/A	N/A	Not Changd
	Filter Changed		Client Info		N/A	N/A	Not Changd
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	nnm	ACTM DE10Em	. 100	70	15	25
WEAR	Iron	ppm	ASTM D5185m		78	45	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m	. 2	0	<1	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		15	5	6
	Lead	ppm	ASTM D5185m		11	2	<1
	Copper	ppm	ASTM D5185m		2	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m	NONE	0	0	<1 NONE
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	7	7
Elevated aluminum (AI) 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.	Potassium	ppm	ASTM D5185m	>20	40	24	19
	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	>3	0.7	0.3	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	12.4	10.7	9.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.0	20.7	18.4
	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		5	6	4
I EOID CONDITION	Boron	ppm	ASTM D5185m		28	43	89
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		16	16	16
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		678	744	678
	Calcium	ppm	ASTM D5185m		1591	1594	1454
	Phosphorus	ppm	ASTM D5185m	1260	769	752	746
	Zinc	ppm	ASTM D5185m		944	895	873
	Sulfur	ppm	ASTM D5185m		2937	3676	2964
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.4	17.0	13.8
	Base Number (BN)				5.7	6.6	8.6
	Visc @ 100°C	cSt	ASTM D445		11.5	11.2	11.1
	1.00 @ 100 0	001	7.0.1W D440		11.3		







Certificate L2367

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

: 06056157 : 10822106 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : RPL0014648 Recieved : 10 Jan 2024 Diagnosed : 11 Jan 2024

: Wes Davis Diagnostician

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.

RTL PACLEASE - 7001 - Houston

6300 N. Loop East Houston, TX US 77026

Contact: RODNEY BRIGGS briggsr@rushenterprises.com

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: