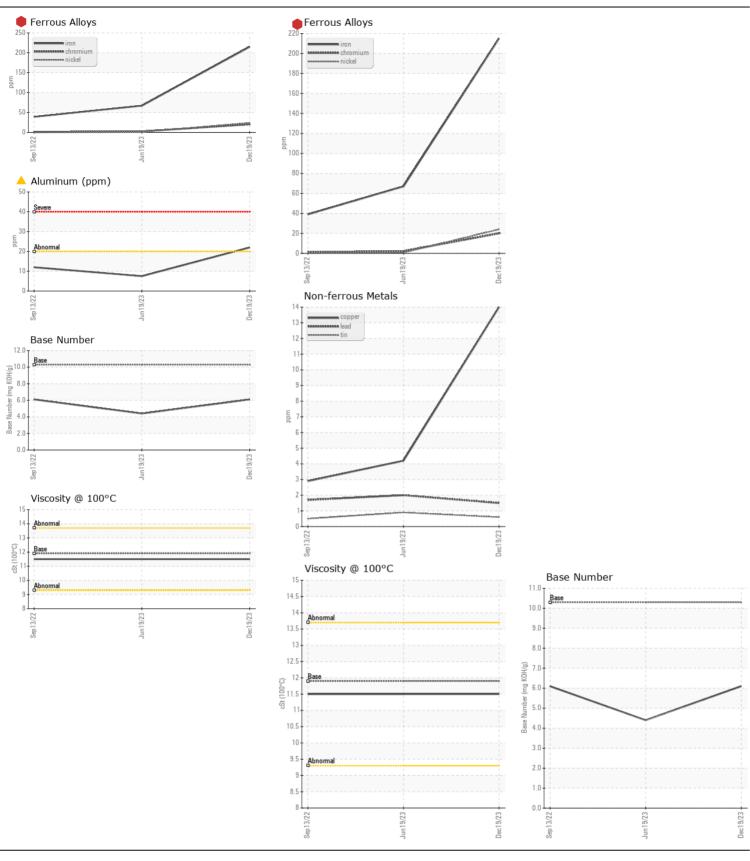


WEAR CONTAMINATION **FLUID CONDITION**

SEVERE NORMAL **NORMAL**

Machine Id **857-4023**

Component Diesel Engine							
CHEVRON DELO 400 XLE 10W30 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.	Sample Number	OOW	Client Info	LIIIIII/ADII	RPL0014864	RPL0010182	_
	Sample Number		Client Info		19 Dec 2023	19 Jun 2023	13 Sep 2022
	Machine Age	mls	Client Info		239966	209423	183413
	Oil Age	mls	Client Info		30543	26010	23285
	Filter Age	mls	Client Info		30543	26010	23285
	Oil Changed	11110	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Onone into		SEVERE	NORMAL	NORMAL
					CLVLIL		
WEAR	Iron	ppm	ASTM D5185m	>100	215	67	39
Culinday avails or core chaft was a in directed. Value was a indirected	Chromium	ppm	ASTM D5185m	>20	<u>^</u> 20	2	1
Cylinder, crank, or cam shaft wear is indicated. Valve wear is indicated.	Nickel	ppm	ASTM D5185m	>4	2 4	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	^ 22	8	12
	Lead	ppm	ASTM D5185m	>40	2	2	2
	Copper	ppm	ASTM D5185m	>330	14	4	3
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABUNATION	0:1:		AOTM DE405	05	40	4.5	
CONTAMINATION	Silicon	ppm	ASTM D5185m		13	15	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		13	17	23
	Fuel			>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG NEG	NEG NEG
	Glycol Soot %	%	*ASTM D7844	. 2	NEG 0.8	0.7	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	13.4	12.1	13.4
	Sulfation	Abs/.1mm	*ASTM D7024		25.7	25.8	28.1
	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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	8	6
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		18	22	15
oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		18	26	19
	Manganese	ppm	ASTM D5185m		2	1	<1
	Magnesium	ppm	ASTM D5185m		700	784	635
	Calcium	ppm	ASTM D5185m		1306	1567	1350
	Phosphorus	ppm	ASTM D5185m		647	751	672
	Zinc	ppm		1200	851	913	812
	Sulfur	ppm	ASTM D5185m		2824	3640	3286
	Oxidation	Abs/.1mm	*ASTM D7414		25.6	23.9	24.8
	Base Number (BN)				6.1	4.4	6.1
	Visc @ 100°C	cSt	ASTM D445	11.9	11.5	11.5	11.5





Certificate L2367

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

Test Package : FLEET

: RPL0014864 : 06073697 : 10850374

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 30 Jan 2024 Diagnosed : 31 Jan 2024 Diagnostician : Don Baldridge

RTL PACLEASE - 7001 - Houston 6300 N. Loop East Houston, TX

US 77026 Contact: RODNEY BRIGGS briggsr@rushenterprises.com T:

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)

F: