



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
857-4755
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0014060	RPL0014705	RPL0010373
Sample Date		Client Info		06 Dec 2023	19 Oct 2023	30 Jun 2023
Machine Age	hrs	Client Info		11333	258107	214989
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	63	33	37
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	<1	2	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	7	7	5
Lead	ppm	ASTM D5185m	>40	18	10	8
Copper	ppm	ASTM D5185m	>330	5	<1	1
Tin	ppm	ASTM D5185m	>15	<1	1	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

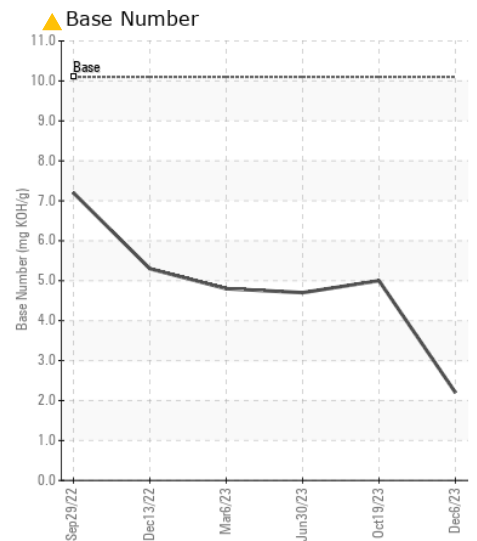
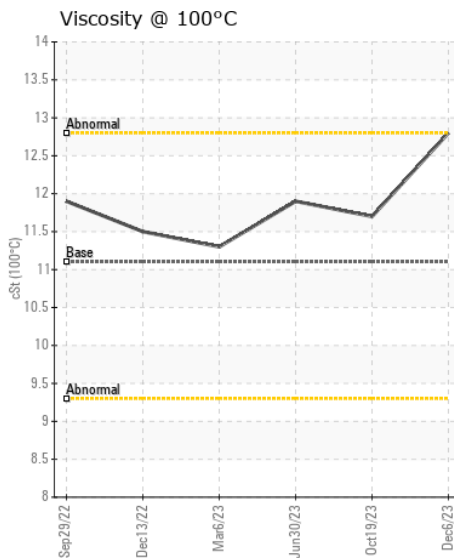
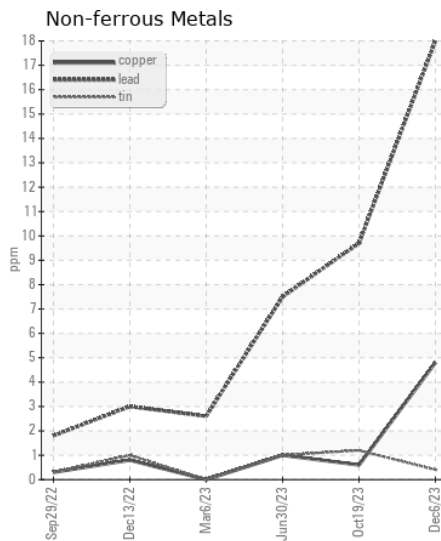
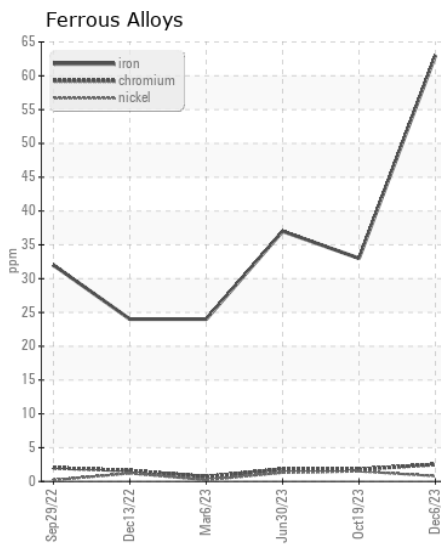
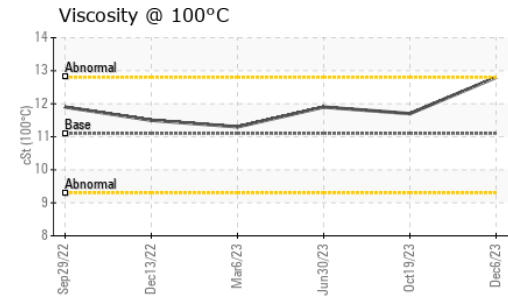
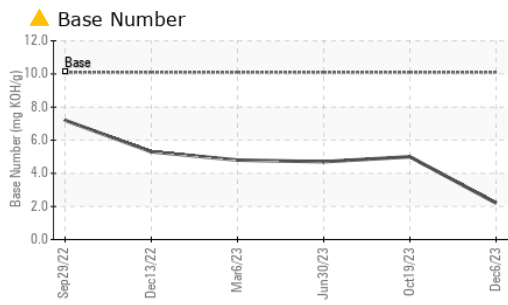
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	11	9	9
Potassium	ppm	ASTM D5185m	>20	11	10	17
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	0.6	0.4	0.3
Nitration	Abs/cm	*ASTM D7624	>20	17.4	13.5	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	32.6	26.7	24.5
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

The low BN value indicates relatively little reserve alkalinity remaining in this oil. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185m		2	4	3
Boron	ppm	ASTM D5185m		25	28	35
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		57	54	32
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		576	564	767
Calcium	ppm	ASTM D5185m		1735	1641	1531
Phosphorus	ppm	ASTM D5185m	1260	780	770	772
Zinc	ppm	ASTM D5185m	1400	968	928	930
Sulfur	ppm	ASTM D5185m		2453	2414	3570
Oxidation	Abs/.1mm	*ASTM D7414	>25	44.7	29.9	22.2
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	2.2	5.0	4.7
Visc @ 100°C	cSt	ASTM D445	11.1	12.8	11.7	11.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0014060 **Received** : 10 Jan 2024
Lab Number : 06056137 **Diagnosed** : 11 Jan 2024
Unique Number : 10822086 **Diagnostician** : Angela Borella
Test Package : FLEET

RTL PACLEASE - 7001 - Houston
 6300 N. Loop East
 Houston, TX
 US 77026
 Contact: RODNEY BRIGGS
 briggsr@rushenterprises.com

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)

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