



PacLease

OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
857-3555
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

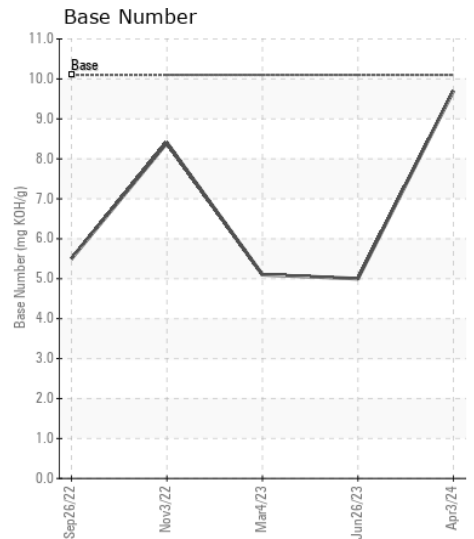
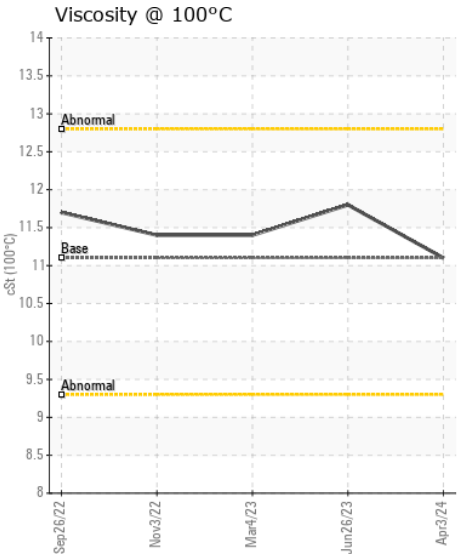
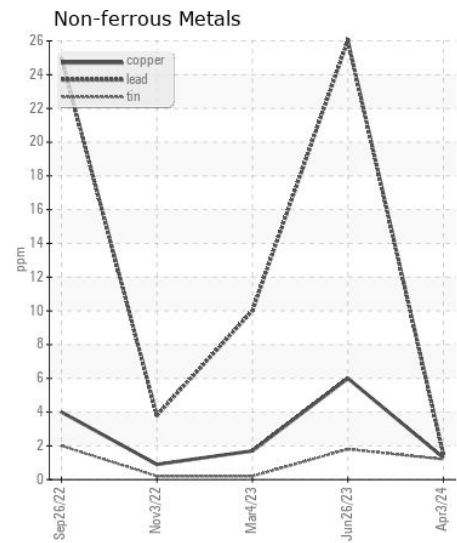
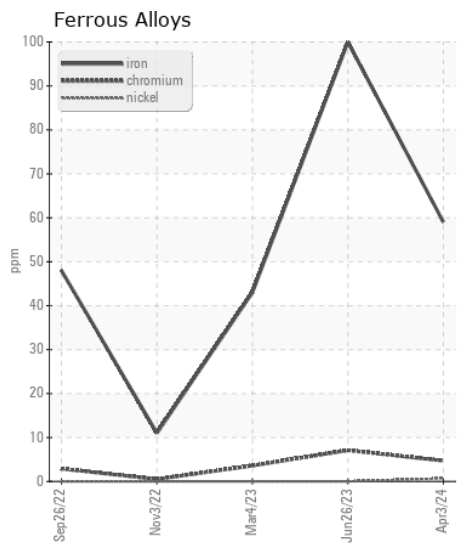
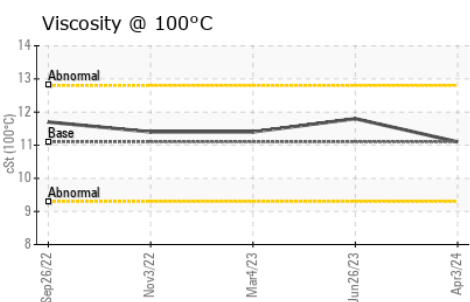
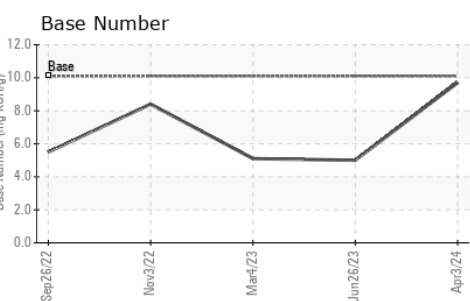
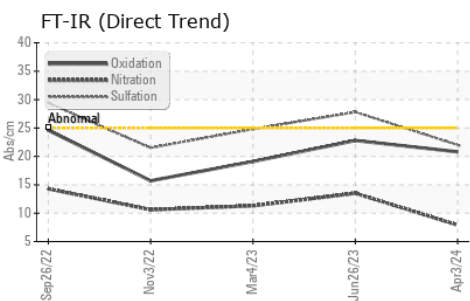
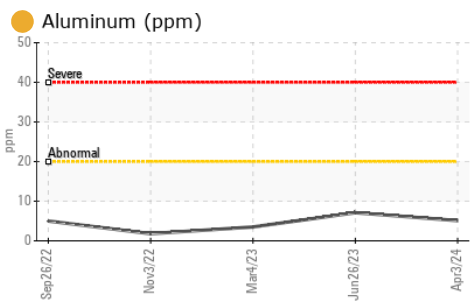
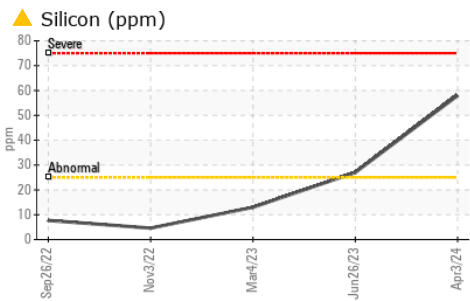
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0014497	RPL0010222	RPL0010649
Sample Date		Client Info		03 Apr 2024	26 Jun 2023	04 Mar 2023
Machine Age	hrs	Client Info		13567	195000	186466
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		N/A	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	59	100	43
Chromium	ppm	ASTM D5185m	>20	5	7	4
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	7	4
Lead	ppm	ASTM D5185m	>40	2	26	10
Copper	ppm	ASTM D5185m	>330	1	6	2
Tin	ppm	ASTM D5185m	>15	1	2	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	▲ 58	▲ 27	13
Potassium	ppm	ASTM D5185m	>20	5	16	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	>3	0.2	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	7.9	13.5	11.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	27.8	24.8
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
Sodium	ppm	ASTM D5185m		4	6	5
Boron	ppm	ASTM D5185m		88	17	22
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		60	13	12
Manganese	ppm	ASTM D5185m		1	3	1
Magnesium	ppm	ASTM D5185m		728	833	777
Calcium	ppm	ASTM D5185m		2343	1572	1488
Phosphorus	ppm	ASTM D5185m	1260	1103	805	723
Zinc	ppm	ASTM D5185m	1400	1268	966	904
Sulfur	ppm	ASTM D5185m		3880	3854	3329
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	22.8	19.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.1	9.7	5.0	5.1
Visc @ 100°C	cSt	ASTM D445	11.1	11.1	11.8	11.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0014497
Lab Number : 06149838
Unique Number : 10979916
Test Package : FLEET
Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 18 Apr 2024 - Don Baldrige

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

Certificate L2367
 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)