



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
139458
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (44 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019541	RPL0016683	RPL0014939
Sample Date		Client Info		20 May 2024	01 Apr 2024	06 Oct 2023
Machine Age	mls	Client Info		604573	604573	604573
Oil Age	mls	Client Info		604573	0	43928
Filter Age	mls	Client Info		0	0	43928
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>110	32	28	8
Chromium	ppm	ASTM D5185m	>4	1	1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>25	9	7	12
Lead	ppm	ASTM D5185m	>45	4	3	<1
Copper	ppm	ASTM D5185m	>85	2	2	2
Tin	ppm	ASTM D5185m	>4	2	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

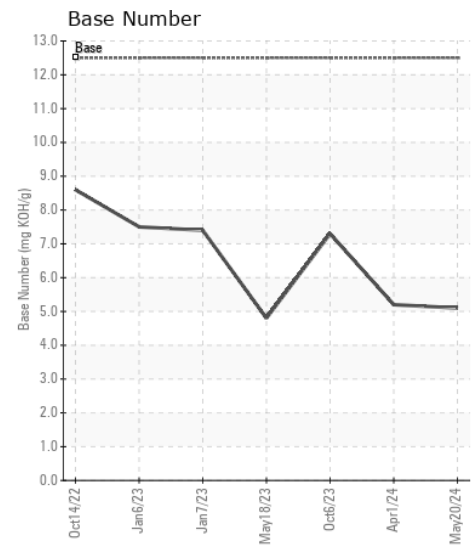
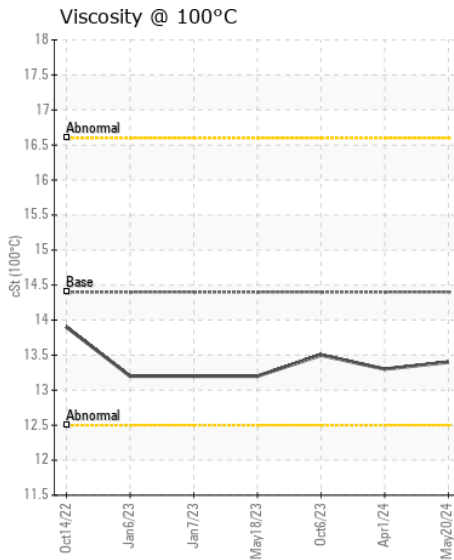
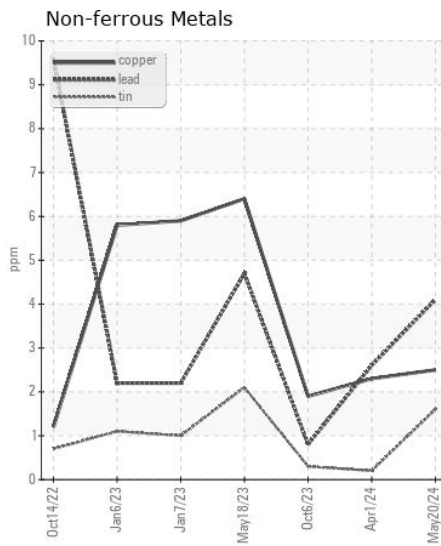
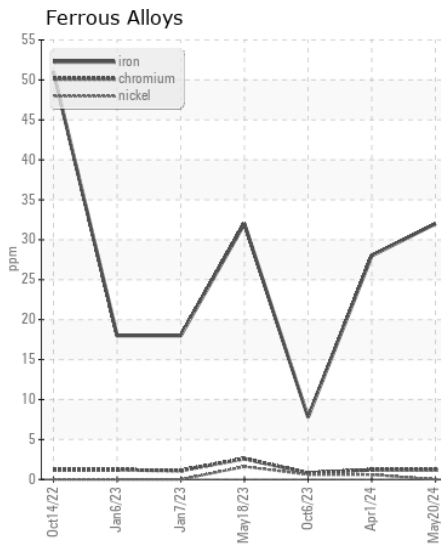
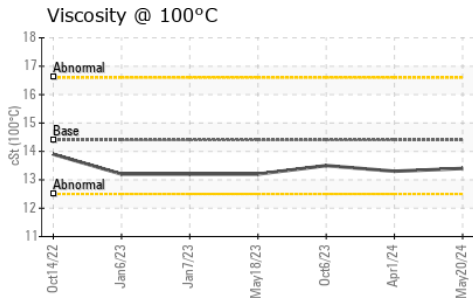
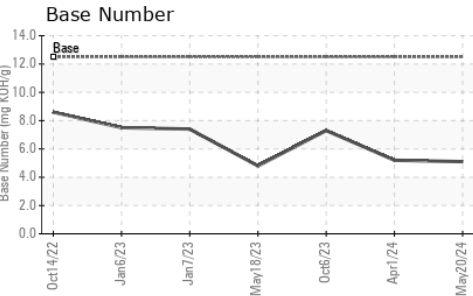
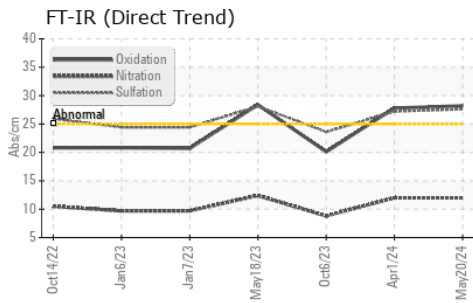
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	10	9	7
Potassium	ppm	ASTM D5185m	>20	12	12	5
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	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	12.0	12.0	8.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6	27.2	23.6
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

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

Sodium	ppm	ASTM D5185m		2	2	2
Boron	ppm	ASTM D5185m	151	79	105	241
Barium	ppm	ASTM D5185m	0.4	0	<1	2
Molybdenum	ppm	ASTM D5185m	250	119	119	124
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	0	703	635	644
Calcium	ppm	ASTM D5185m	2046	1493	1521	1442
Phosphorus	ppm	ASTM D5185m	1043	699	637	670
Zinc	ppm	ASTM D5185m	943	837	754	835
Sulfur	ppm	ASTM D5185m	5012	2709	2568	2591
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.2	27.8	20.1
Base Number (BN)	mg KOH/g	ASTM D2896	12.5	5.1	5.2	7.3
Visc @ 100°C	cSt	ASTM D445	14.4	13.4	13.3	13.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : RPL0019541

Lab Number : 06193785

Unique Number : 11055908

Test Package : FLEET

Received : 29 May 2024

Tested : 30 May 2024

Diagnosed : 31 May 2024 - Angela Borella

RTL PACLEASE - 7050 -Leasing Tyler

10791 Hwy 69 North

Tyler, TX

US 75706

Contact: Justin Cooper

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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)