



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
846-4950
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0020480	RPL0018044	RPL0016016
Sample Date		Client Info		17 May 2024	23 Feb 2024	28 Nov 2023
Machine Age	mls	Client Info		95918	72000	70798
Oil Age	mls	Client Info		0	27069	25857
Filter Age	mls	Client Info		0	27069	25857
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	8	33	26
Chromium	ppm	ASTM D5185m	>20	<1	2	1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	1	<1	0
Aluminum	ppm	ASTM D5185m	>20	4	14	9
Lead	ppm	ASTM D5185m	>40	1	7	3
Copper	ppm	ASTM D5185m	>330	2	7	6
Tin	ppm	ASTM D5185m	>15	1	3	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

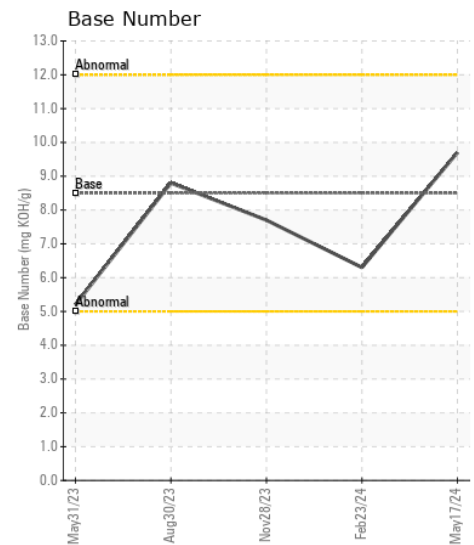
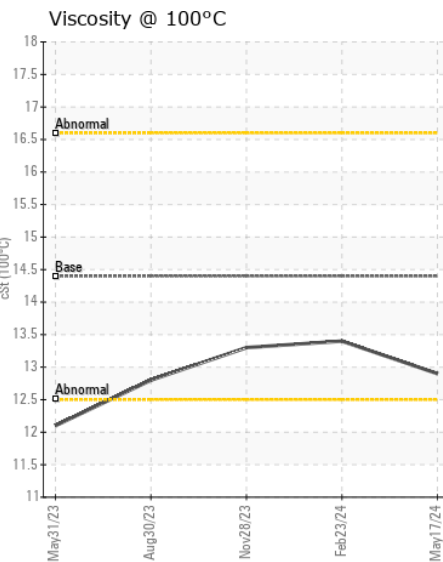
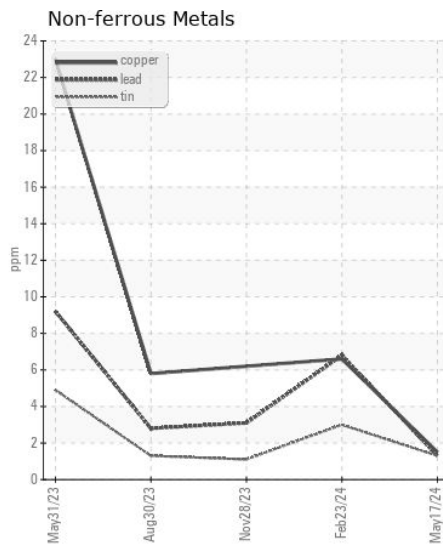
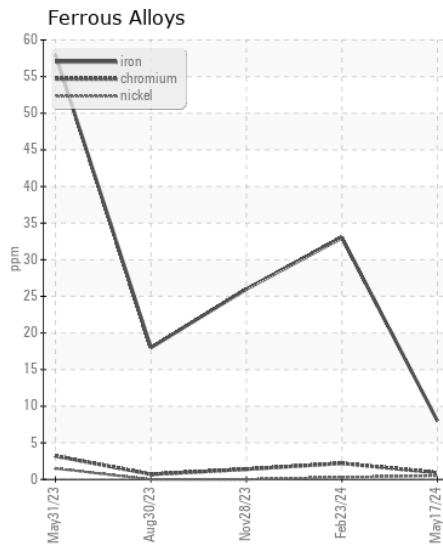
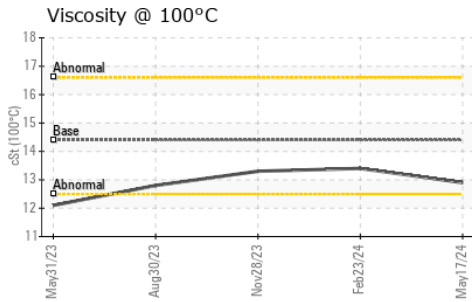
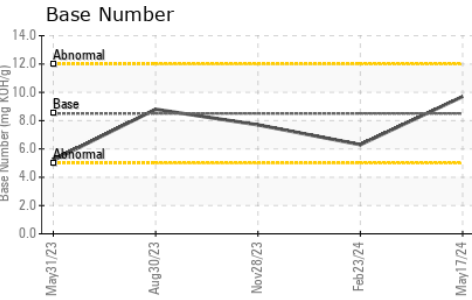
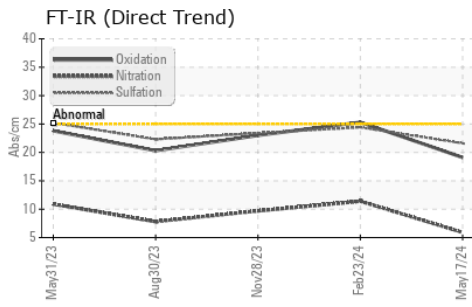
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	18	16
Potassium	ppm	ASTM D5185m	>20	8	43	32
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	0.1	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	5.9	11.4	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.6	24.4	23.4
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

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.

Sodium	ppm	ASTM D5185m	>158	3	4	0
Boron	ppm	ASTM D5185m	250	66	22	27
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	45	42	43
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m	450	535	602	563
Calcium	ppm	ASTM D5185m	3000	1733	1674	1667
Phosphorus	ppm	ASTM D5185m	1150	727	771	790
Zinc	ppm	ASTM D5185m	1350	988	1018	937
Sulfur	ppm	ASTM D5185m	4250	2831	2437	2709
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1	25.3	23.0
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.7	6.3	7.7
Visc @ 100°C	cSt	ASTM D445	14.4	12.9	13.4	13.3



Certificate L2367

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

Sample No. : RPL0020480

Lab Number : 06190281

Unique Number : 11047033

Test Package : FLEET

Received : 24 May 2024

Tested : 29 May 2024

Diagnosed : 29 May 2024 - Don Baldrige

RTL PACLEASE - 7007 - Fontana

3121 South Riverside

Bloomington, CA

US 92316

Contact: Rudy Trevizo

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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)