



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 846-4379

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017635	RPL0015502	RPL0015037
Sample Date		Client Info		30 Jan 2024	05 Oct 2023	08 Sep 2023
Machine Age	mls	Client Info		165572	153652	151006
Oil Age	mls	Client Info		14566	2656	36300
Filter Age	mls	Client Info		14566	2656	36300
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	>110	28	9	60
Chromium	ppm	ASTM D5185m	>4	2	<1	3
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	14	2	22
Lead	ppm	ASTM D5185m	>45	3	<1	9
Copper	ppm	ASTM D5185m	>85	2	1	4
Tin	ppm	ASTM D5185m	>4	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

CONTAMINATION

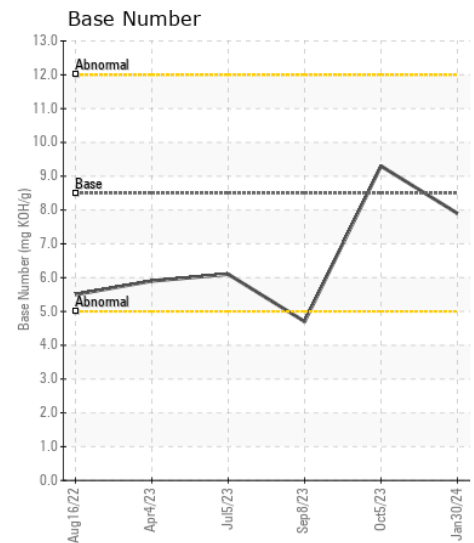
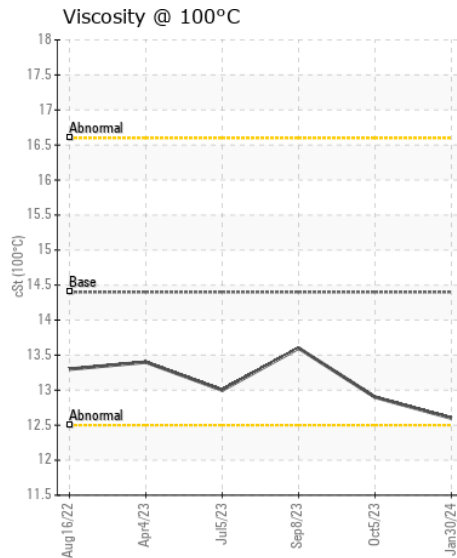
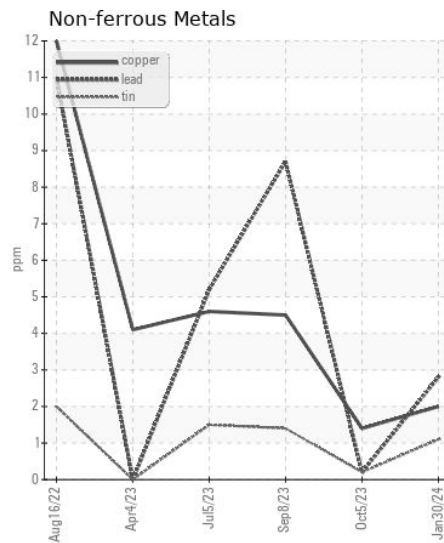
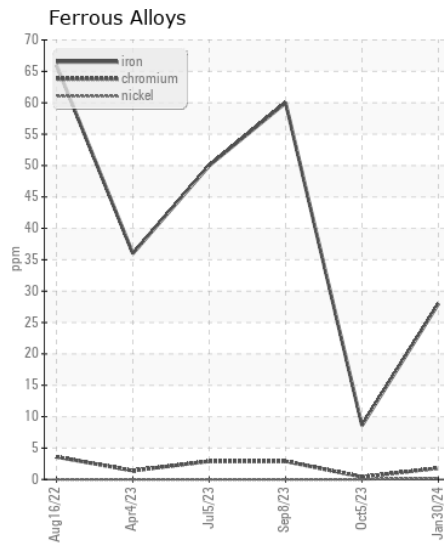
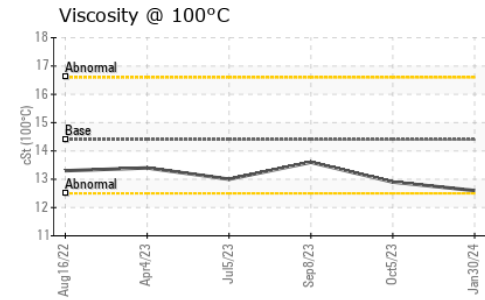
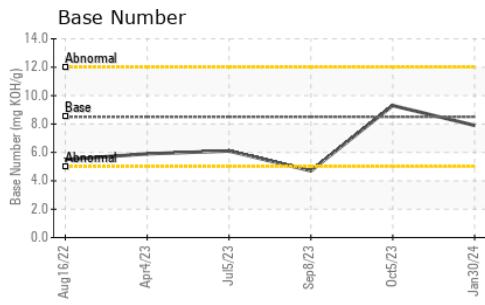
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	7	3	8
Potassium	ppm	ASTM D5185m	>20	34	5	68
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	0.5	0.1	0.6
Nitration	Abs/cm	*ASTM D7624	>20	9.5	6.1	12.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.2	19.0	27.1
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	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	>158	0	1	5
Boron	ppm	ASTM D5185m	250	<1	1	<1
Barium	ppm	ASTM D5185m	10	<1	0	0
Molybdenum	ppm	ASTM D5185m	100	84	56	60
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	1337	863	1052
Calcium	ppm	ASTM D5185m	3000	1473	1003	1358
Phosphorus	ppm	ASTM D5185m	1150	1383	906	1082
Zinc	ppm	ASTM D5185m	1350	1709	1102	1390
Sulfur	ppm	ASTM D5185m	4250	4554	2821	3622
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	14.7	24.8
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.9	9.3	4.7
Visc @ 100°C	cSt	ASTM D445	14.4	12.6	12.9	13.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017635
Lab Number : 06083371
Unique Number : 10870816
Test Package : FLEET

Received : 08 Feb 2024
Tested : 08 Feb 2024
Diagnosed : 09 Feb 2024 - Don Baldrige

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: Rudy Trevizo
 TrevizoR@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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