



PacLease

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 9571939 SA RENTAL
 Component
Diesel Engine
 Fluid
MOBIL DELVAC MX 15W40 (48 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0011817	RPL0013596	---
Sample Date		Client Info		21 Jun 2024	01 Sep 2023	---
Machine Age	mls	Client Info		44487	5577	---
Oil Age	mls	Client Info		9108	5577	---
Filter Age	mls	Client Info		9108	5577	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>90	14	25	---
Chromium	ppm	ASTM D5185m	>20	<1	<1	---
Nickel	ppm	ASTM D5185m	>2	0	0	---
Titanium	ppm	ASTM D5185m	>2	0	0	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>20	9	17	---
Lead	ppm	ASTM D5185m	>40	<1	2	---
Copper	ppm	ASTM D5185m	>330	5	23	---
Tin	ppm	ASTM D5185m	>15	<1	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

There is no indication of any contamination in the oil.

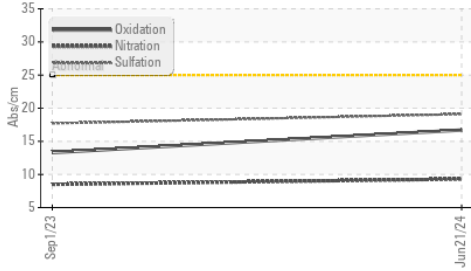
Silicon	ppm	ASTM D5185m	>25	11	43	---
Potassium	ppm	ASTM D5185m	>20	24	59	---
Fuel		WC Method	>3.0	<1.0	0.4	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.2	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	9.3	8.5	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	17.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

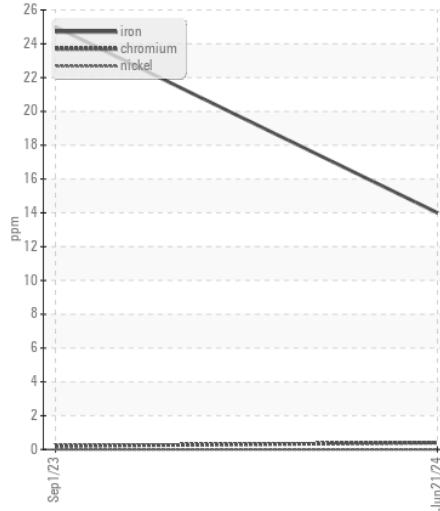
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		2	5	---
Boron	ppm	ASTM D5185m		68	67	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		97	14	---
Manganese	ppm	ASTM D5185m		1	4	---
Magnesium	ppm	ASTM D5185m		695	774	---
Calcium	ppm	ASTM D5185m		1307	1409	---
Phosphorus	ppm	ASTM D5185m		739	716	---
Zinc	ppm	ASTM D5185m		878	858	---
Sulfur	ppm	ASTM D5185m		3451	3440	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	13.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	12	7.1	7.9	---
Visc @ 100°C	cSt	ASTM D445	14.4	12.9	11.6	---

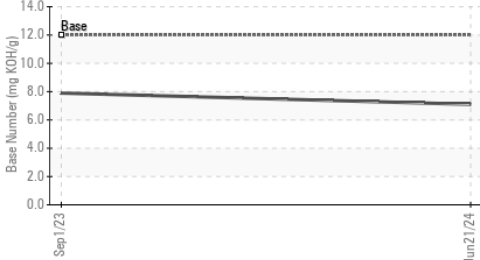
FT-IR (Direct Trend)



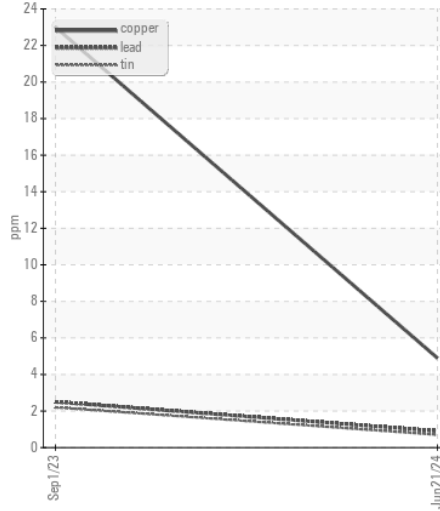
Ferrous Alloys



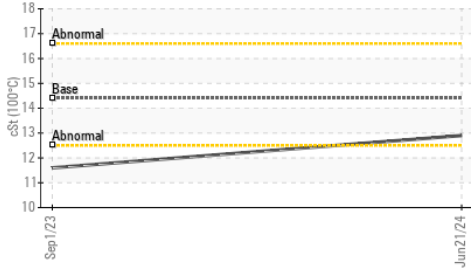
Base Number



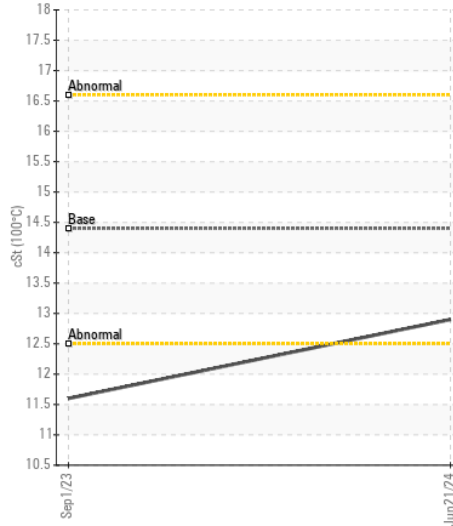
Non-ferrous Metals



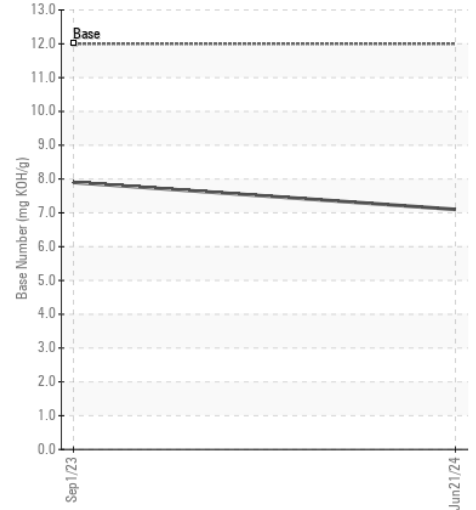
Viscosity @ 100°C



Viscosity @ 100°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : RPL0011817
 Lab Number : 06220632
 Unique Number : 11098829
 Test Package : FLEET

Received : 26 Jun 2024
 Tested : 27 Jun 2024
 Diagnosed : 27 Jun 2024 - Wes Davis

RTL PACLEASE - 7018 - West Texas
 1230 South Grandview
 Odessa, TX
 US 79761

Contact: David Johnson
 JohnsonD@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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F: