



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PETERBILT 117385
Component
Diesel Engine
Fluid
CHEVRON 15W40 (44 QTS)

RECOMMENDATION

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

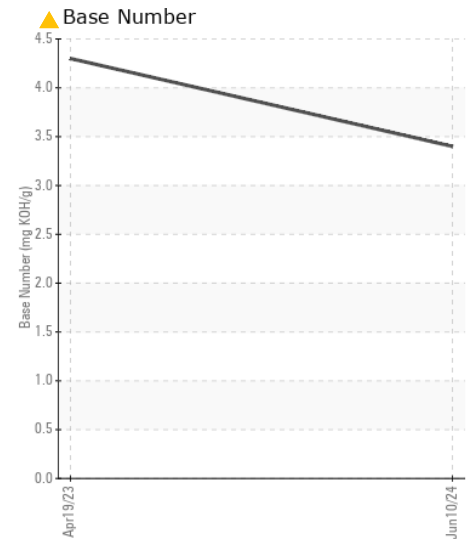
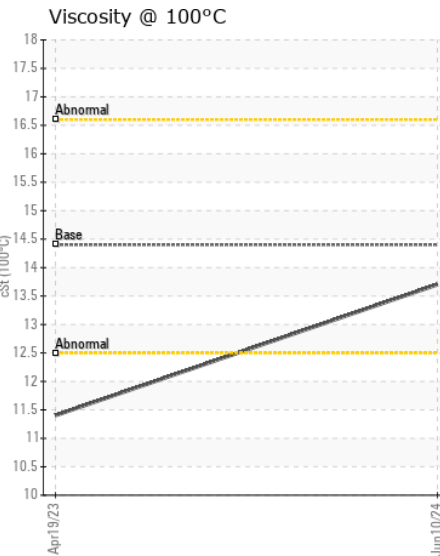
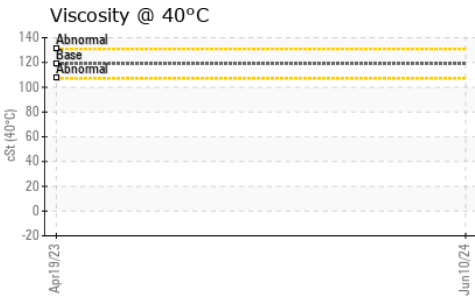
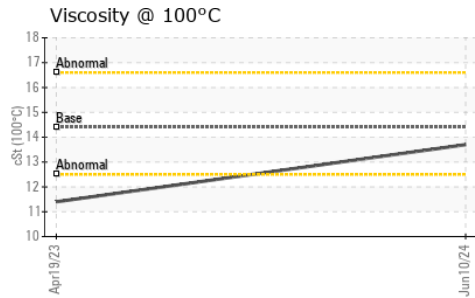
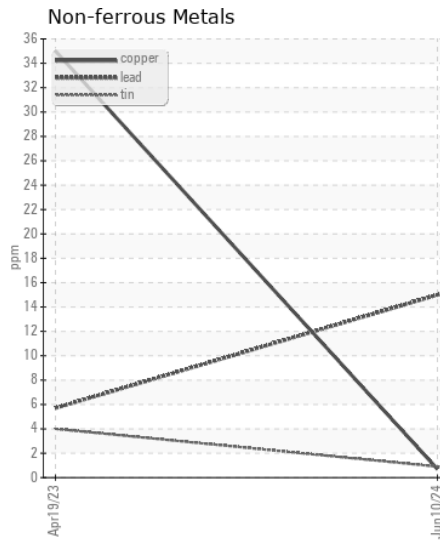
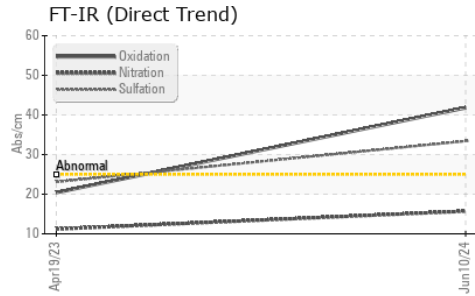
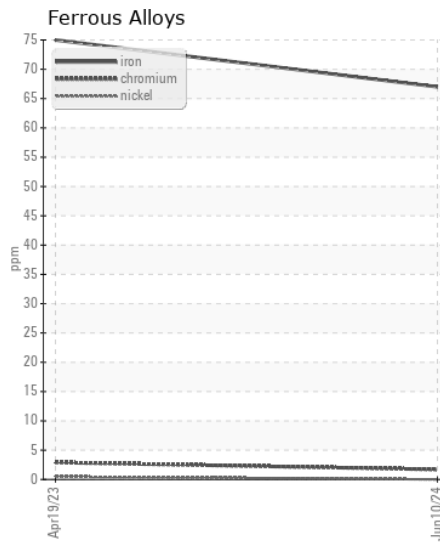
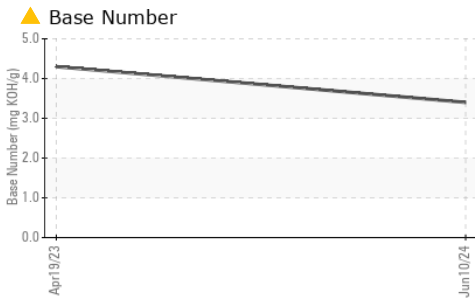
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The BN level is low. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0018895	RPL0009824	---
Sample Date		Client Info		10 Jun 2024	19 Apr 2023	---
Machine Age	mls	Client Info		16020	42360	---
Oil Age	mls	Client Info		0	42360	---
Filter Age	mls	Client Info		0	42360	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>90	67	75	---
Chromium	ppm	ASTM D5185m	>20	2	3	---
Nickel	ppm	ASTM D5185m	>2	0	<1	---
Titanium	ppm	ASTM D5185m	>2	0	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>20	7	93	---
Lead	ppm	ASTM D5185m	>40	15	6	---
Copper	ppm	ASTM D5185m	>330	<1	35	---
Tin	ppm	ASTM D5185m	>15	<1	4	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	9	▲ 50	---
Potassium	ppm	ASTM D5185m	>20	9	311	---
Fuel		WC Method	>3.0	<1.0	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>6	0.6	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	15.7	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	33.4	23.1	---
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	---
Sodium	ppm	ASTM D5185m	>50	2	5	---
Boron	ppm	ASTM D5185m		31	19	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		39	20	---
Manganese	ppm	ASTM D5185m		<1	7	---
Magnesium	ppm	ASTM D5185m		525	669	---
Calcium	ppm	ASTM D5185m		1860	1347	---
Phosphorus	ppm	ASTM D5185m		855	693	---
Zinc	ppm	ASTM D5185m		1061	840	---
Sulfur	ppm	ASTM D5185m		2878	2576	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	41.8	20.4	---
Base Number (BN)	mg KOH/g	ASTM D2896		▲ 3.4	4.3	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.7	● 11.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0018895 **Received** : 01 Jul 2024
Lab Number : 06225521 **Tested** : 03 Jul 2024
Unique Number : 11103718 **Diagnosed** : 03 Jul 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: KV40)

RTL PACLEASE - 7001 - Houston
 6300 N. Loop East
 Houston, TX
 US 77026
 Contact: RODNEY BRIGGS
 briggsr@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: