



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PACCAR 846-5037
 Component
1 Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (16 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019336	RPL0017389	RPL0015852
Sample Date		Client Info		20 Apr 2024	18 Jan 2024	13 Oct 2023
Machine Age	mls	Client Info		21320	16038	11080
Oil Age	mls	Client Info		21320	16038	11080
Filter Age	mls	Client Info		21320	16038	11080
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

WEAR

Cylinder, crank, or cam shaft wear is indicated. All other metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	▲ 186	▲ 144	75
Chromium	ppm	ASTM D5185m	>20	3	3	1
Nickel	ppm	ASTM D5185m	>4	<1	2	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	11	8	7
Lead	ppm	ASTM D5185m	>40	<1	<1	0
Copper	ppm	ASTM D5185m	>330	76	84	73
Tin	ppm	ASTM D5185m	>15	1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

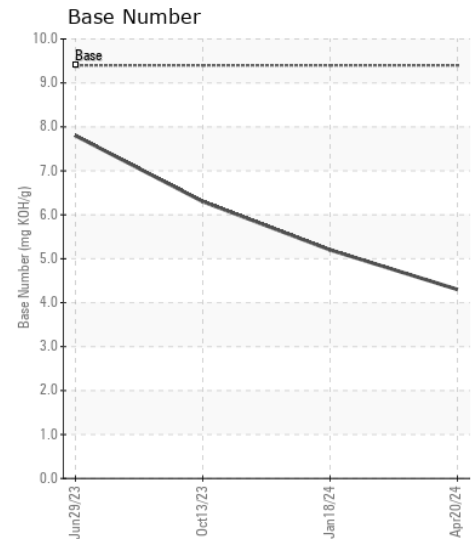
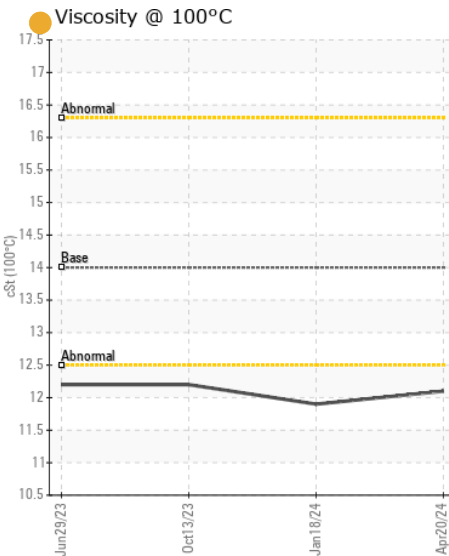
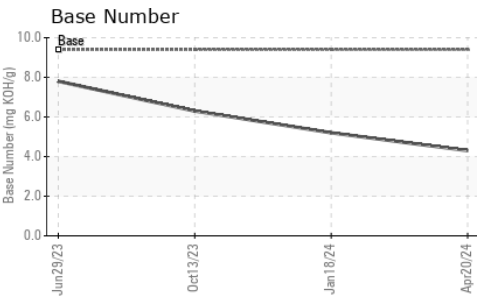
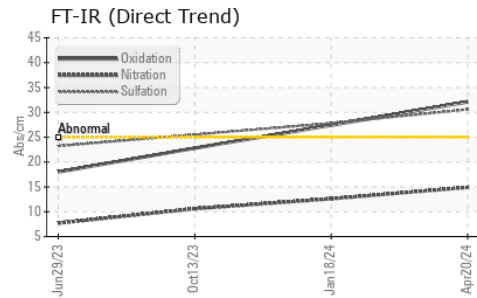
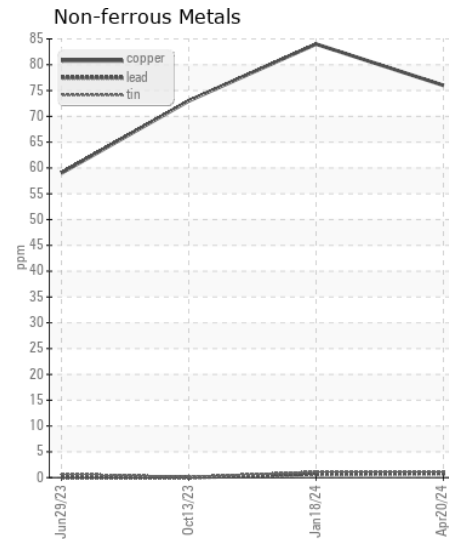
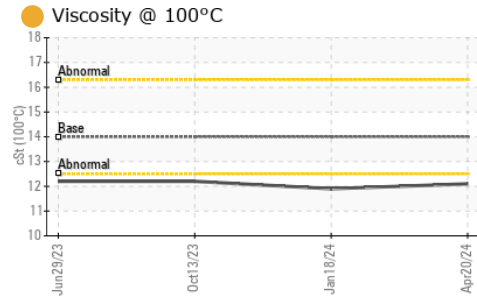
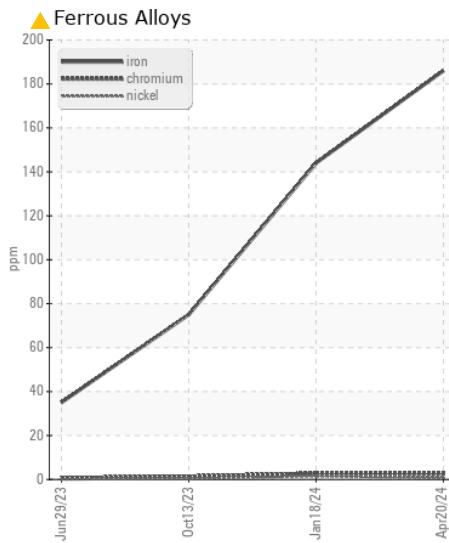
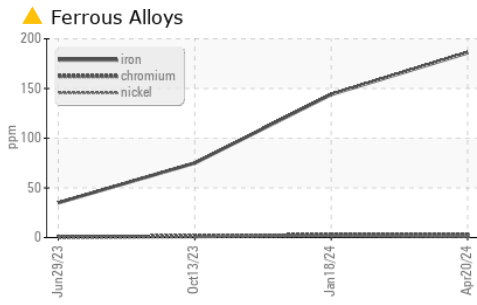
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	34	36	32
Potassium	ppm	ASTM D5185m	>20	4	4	4
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	1.1	0.8	0.6
Nitration	Abs/cm	*ASTM D7624	>20	14.9	12.6	10.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.6	27.8	25.5
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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		6	<1	4
Boron	ppm	ASTM D5185m	0	61	82	138
Barium	ppm	ASTM D5185m	0	3	0	4
Molybdenum	ppm	ASTM D5185m	0	109	112	113
Manganese	ppm	ASTM D5185m		9	8	6
Magnesium	ppm	ASTM D5185m	0	689	662	687
Calcium	ppm	ASTM D5185m		1437	1304	1430
Phosphorus	ppm	ASTM D5185m		666	654	640
Zinc	ppm	ASTM D5185m		807	803	815
Sulfur	ppm	ASTM D5185m		2472	2157	2263
Oxidation	Abs/.1mm	*ASTM D7414	>25	32.1	27.4	22.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.3	5.2	6.3
Visc @ 100°C	cSt	ASTM D445	14	● 12.1	● 11.9	● 12.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019336
Lab Number : 06175317
Unique Number : 11021370
Test Package : FLEET

Received : 10 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 2024 - Sean Felton

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660

Contact: GERARDO CARROLA
 carrolag@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: