



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PACCAR 846-4112
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (24 QTS)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019334	RPL0017592	RPL0015533
Sample Date		Client Info		18 Apr 2024	31 Jan 2024	05 Oct 2023
Machine Age	mls	Client Info		157747	152855	146447
Oil Age	mls	Client Info		4889	12791	6383
Filter Age	mls	Client Info		4889	12791	6383
Oil Changed		Client Info		Not Changd	Changed	Filtered
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>100	13	21	8
Chromium	ppm	ASTM D5185m	>20	0	<1	0
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	3	1
Lead	ppm	ASTM D5185m	>40	<1	1	0
Copper	ppm	ASTM D5185m	>330	0	4	3
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

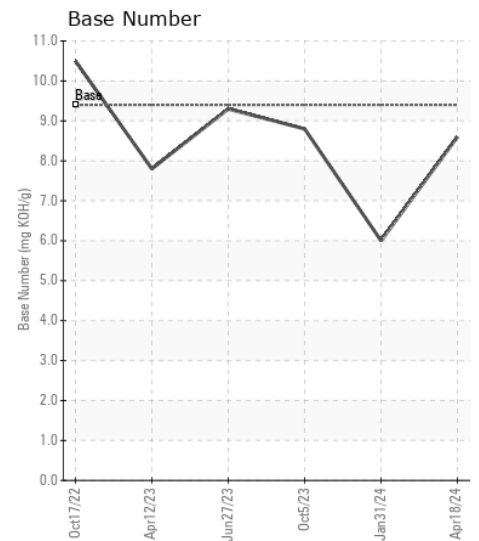
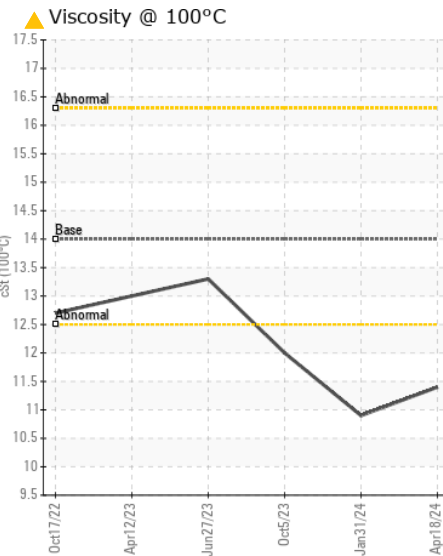
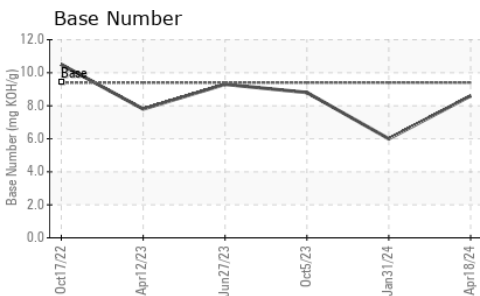
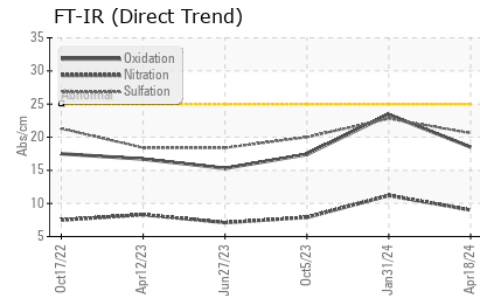
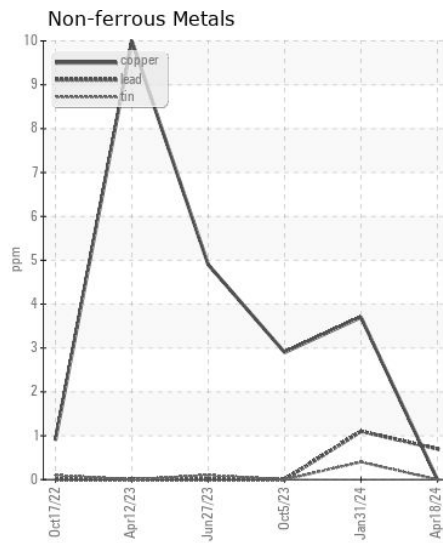
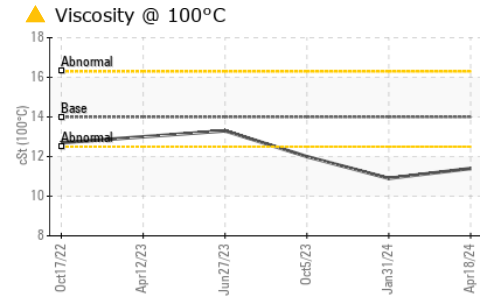
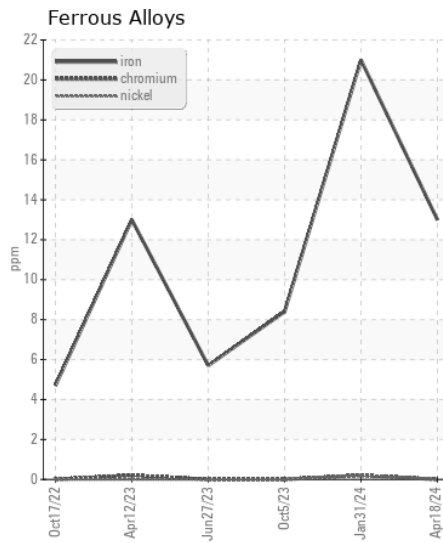
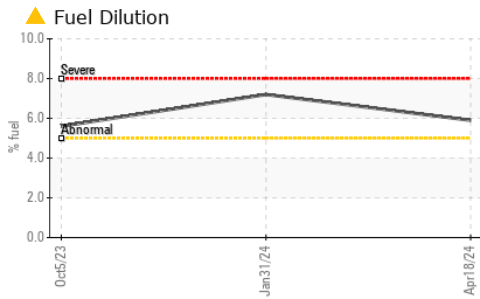
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185m	>25	4	3	2
Potassium	ppm	ASTM D5185m	>20	9	7	0
Fuel	%	ASTM D3524	>5	▲ 5.9	▲ 7.2	▲ 5.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	9.0	11.2	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	22.8	20.0
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. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		<1	0	1
Boron	ppm	ASTM D5185m	0	4	1	1
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	55	53	54
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	886	797	796
Calcium	ppm	ASTM D5185m		1002	956	941
Phosphorus	ppm	ASTM D5185m		1005	888	856
Zinc	ppm	ASTM D5185m		1157	1095	1041
Sulfur	ppm	ASTM D5185m		3434	3102	2645
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5	23.4	17.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	8.6	6.0	8.8
Visc @ 100°C	cSt	ASTM D445	14	▲ 11.4	▲ 10.9	▲ 12.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0019334
Lab Number : 06175331
Unique Number : 11021384
Test Package : FLEET (Additional Tests: PercentFuel)

RTL PACLEASE - 7006 - Pico Rivera
 7837 Telegraph Rd
 Pico Rivera, CA
 US 90660
 Contact: GERARDO CARROLA
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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)

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