



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
PACCAR 846-4166
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1 5W40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already done. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0017417	RPL0015813	RPL0013423
Sample Date		Client Info		04 Jan 2024	20 Oct 2023	26 Jul 2023
Machine Age	mls	Client Info		352902	324426	320872
Oil Age	mls	Client Info		40695	12219	8665
Filter Age	mls	Client Info		40695	12219	8665
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	39	21	15
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	1	0
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

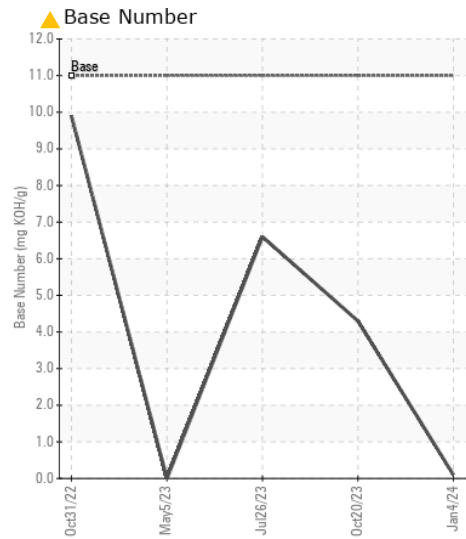
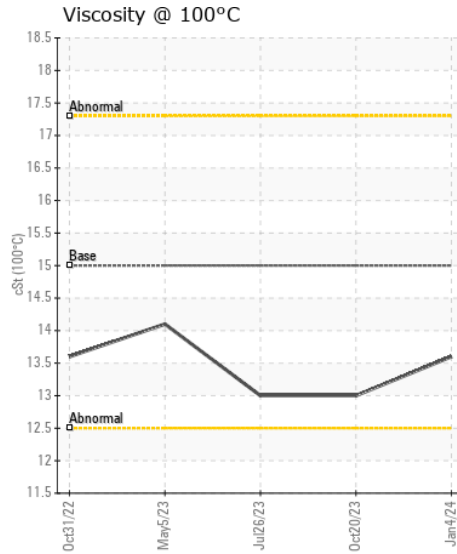
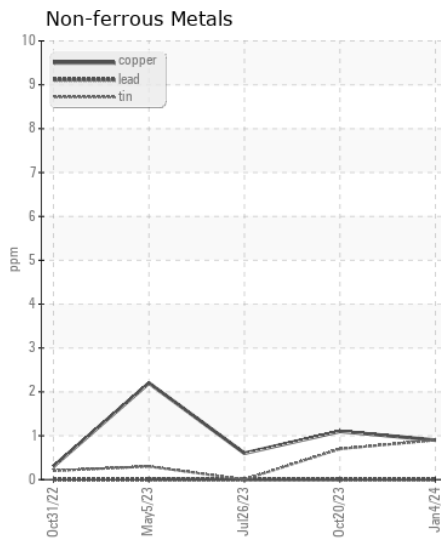
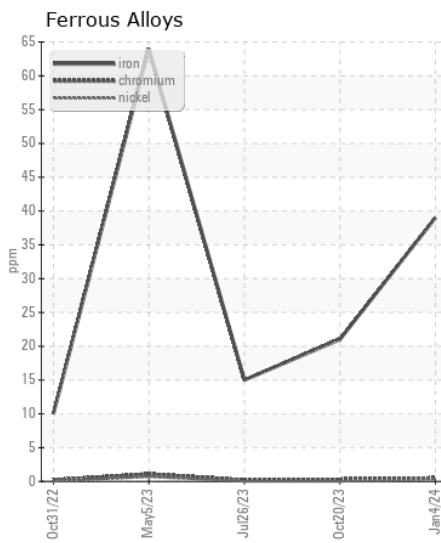
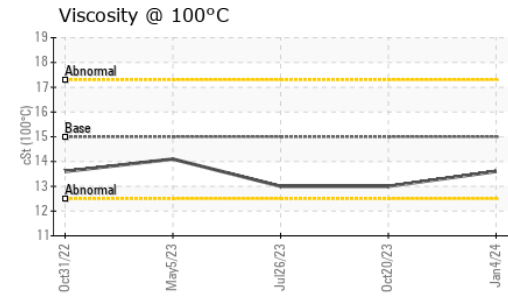
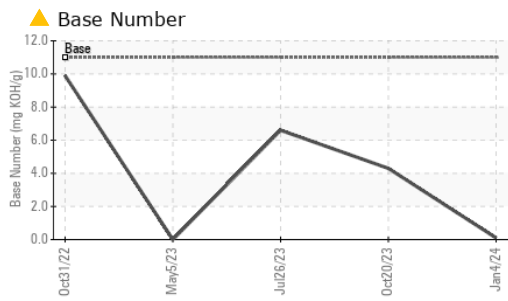
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	4	4
Potassium	ppm	ASTM D5185m	>20	3	4	5
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	0.3	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	14.9	11.7	10.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	35.1	26.8	22.6
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 level is low. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185m		0	4	<1
Boron	ppm	ASTM D5185m	291	0	1	0
Barium	ppm	ASTM D5185m	0.0	0	19	2
Molybdenum	ppm	ASTM D5185m	8.0	63	59	64
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	624	1019	842	948
Calcium	ppm	ASTM D5185m	2158	1096	940	1138
Phosphorus	ppm	ASTM D5185m	1132	1030	829	1056
Zinc	ppm	ASTM D5185m	1300	1338	1069	1279
Sulfur	ppm	ASTM D5185m	3616	2863	3508	3059
Oxidation	Abs/.1mm	*ASTM D7414	>25	45.3	30.4	23.9
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	0.1	4.3	6.6
Visc @ 100°C	cSt	ASTM D445	15.0	13.6	13.0	13.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0017417 **Received** : 11 Jan 2024
Lab Number : 06057825 **Diagnosed** : 12 Jan 2024
Unique Number : 10829207 **Diagnostician** : Don Baldrige
Test Package : FLEET

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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)