



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
PACCAR 846-5207
 Component
Diesel Engine
 Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

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		RPL0019365	RPL0017544	---
Sample Date		Client Info		03 Apr 2024	23 Jan 2024	---
Machine Age	mls	Client Info		16509	8544	---
Oil Age	mls	Client Info		0	8544	---
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ATTENTION	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	32	25	---
Chromium	ppm	ASTM D5185m	>20	1	<1	---
Nickel	ppm	ASTM D5185m	>4	1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	2	<1	---
Aluminum	ppm	ASTM D5185m	>20	16	8	---
Lead	ppm	ASTM D5185m	>40	2	<1	---
Copper	ppm	ASTM D5185m	>330	25	10	---
Tin	ppm	ASTM D5185m	>15	3	2	---
Vanadium	ppm	ASTM D5185m		<1	0	---
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	18	18	---
Potassium	ppm	ASTM D5185m	>20	59	31	---
Fuel	%	ASTM D3524	>5	<1.0	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	9.4	8.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.8	18.4	---
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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		3	0	---
Boron	ppm	ASTM D5185m	0	54	63	---
Barium	ppm	ASTM D5185m	0	2	0	---
Molybdenum	ppm	ASTM D5185m	0	15	11	---
Manganese	ppm	ASTM D5185m		3	2	---
Magnesium	ppm	ASTM D5185m	0	736	774	---
Calcium	ppm	ASTM D5185m		1290	1204	---
Phosphorus	ppm	ASTM D5185m		833	794	---
Zinc	ppm	ASTM D5185m		922	902	---
Sulfur	ppm	ASTM D5185m		3386	3153	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.5	13.8	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	6.0	7.6	---
Visc @ 100°C	cSt	ASTM D445	14	11.7	11.6	---

