OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	ABNORMAL

Machine Id
PACCAR 8465268
Component
Diesel Engine
Fluid
MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

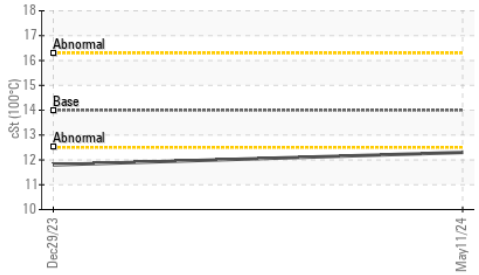
Light fuel dilution occurring.

FLUID CONDITION

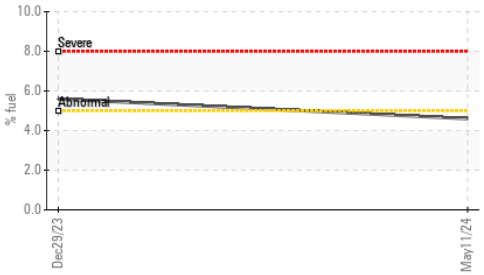
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0020405	RPL0017424	---
Sample Date		Client Info		11 May 2024	29 Dec 2023	---
Machine Age	mls	Client Info		31757	14053	---
Oil Age	mls	Client Info		31757	14053	---
Filter Age	mls	Client Info		31757	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>100	76	24	---
Chromium	ppm	ASTM D5185m	>20	2	<1	---
Nickel	ppm	ASTM D5185m	>4	1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>3	2	<1	---
Aluminum	ppm	ASTM D5185m	>20	11	6	---
Lead	ppm	ASTM D5185m	>40	<1	<1	---
Copper	ppm	ASTM D5185m	>330	21	14	---
Tin	ppm	ASTM D5185m	>15	2	1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	21	17	---
Potassium	ppm	ASTM D5185m	>20	14	0	---
Fuel	%	ASTM D3524	>5	▲ 4.6	▲ 5.6	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.5	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	13.6	9.8	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	29.6	23.7	---
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		5	<1	---
Boron	ppm	ASTM D5185m	0	110	207	---
Barium	ppm	ASTM D5185m	0	8	<1	---
Molybdenum	ppm	ASTM D5185m	0	121	107	---
Manganese	ppm	ASTM D5185m		15	6	---
Magnesium	ppm	ASTM D5185m	0	721	697	---
Calcium	ppm	ASTM D5185m		1475	1380	---
Phosphorus	ppm	ASTM D5185m		673	660	---
Zinc	ppm	ASTM D5185m		871	834	---
Sulfur	ppm	ASTM D5185m		2275	2239	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	32.8	21.2	---
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.5	6.8	---
Visc @ 100°C	cSt	ASTM D445	14	▲ 12.3	▲ 11.8	---

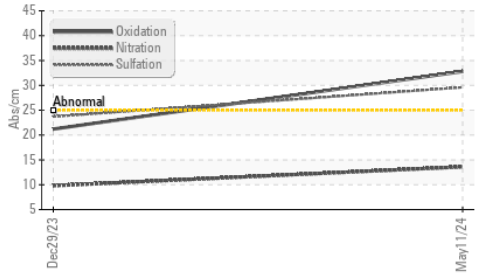
Viscosity @ 100°C



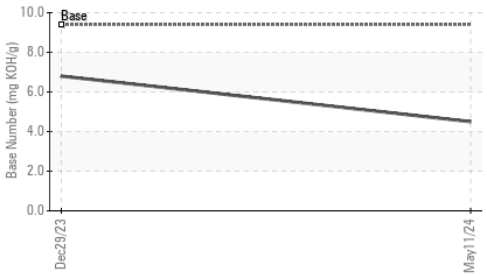
Fuel Dilution



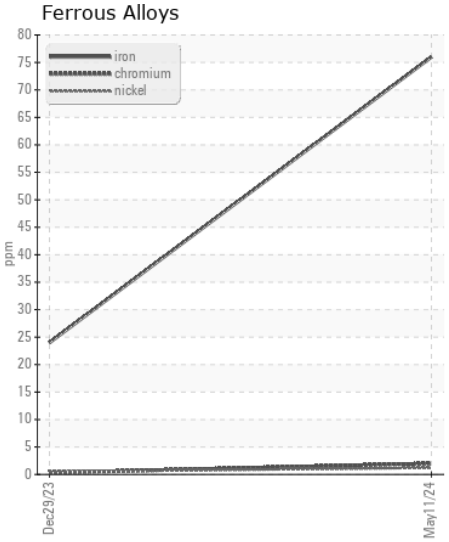
FT-IR (Direct Trend)



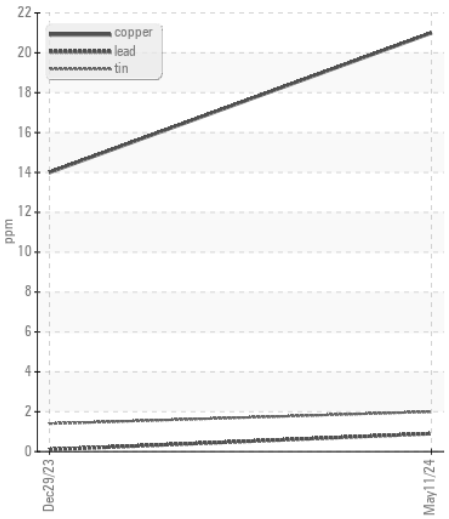
Base Number



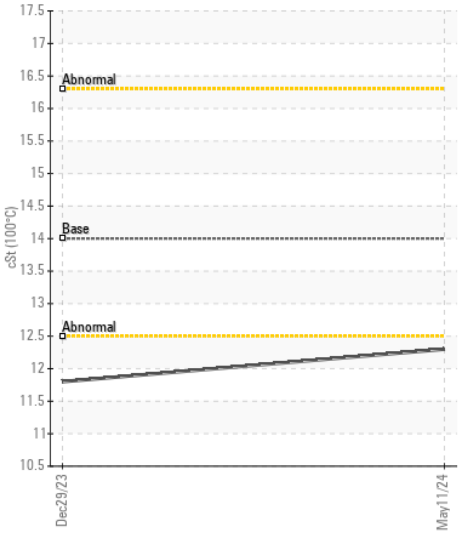
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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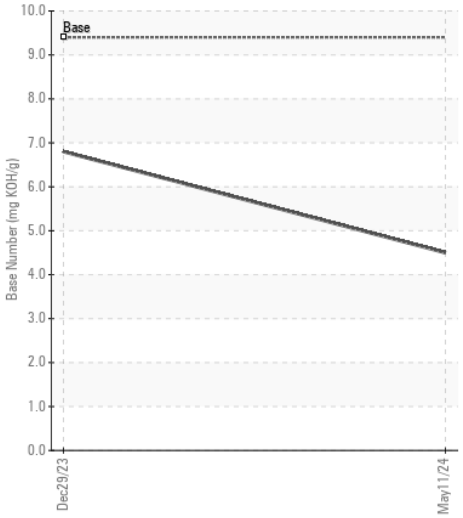

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RPL0020405
Lab Number : 06191906
Unique Number : 11048658
Test Package : FLEET (Additional Tests: PercentFuel)

Received : 28 May 2024
Tested : 29 May 2024
Diagnosed : 30 May 2024 - Sean Felton

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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